

20011220.qrp v02_n411.qrl.20011220

Date: Thu, 20 Dec 2001 19:03:15 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2411

QRP-L Digest 2411

Topics covered in this issue include:

- 1) [115362] Re: Straight Key source
by Bruce Muscolino <w6toy@erols.com>
- 2) [115363] Re: re tubes
by William R Colbert <w5xe@juno.com>
- 3) [115364] Re: AM: Was Tube messages
by "Harry Hurst" <wa3ptg@home.com>
- 4) [115365] Re: tubes sound better?
by David Hinerman <wd8civ@worldnet.att.net>
- 5) [115366] Changing adr. and license renewal
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [115367] Re: re tubes
by Mark Gilger <mgilger@brightdsl.net>
- 7) [115368] Re: Tube messages
by "Mike Silva" <mjsilva697@earthlink.net>
- 8) [115369] Re: re tubes
by "Karl F. Larsen" <k5di@zianet.com>
- 9) [115370] Re: Nukes (was RE: Tube messages)
by Ray Sills <raysills@1stconnect.com>
- 10) [115371] Re: Get me off this damn list!
by "Marty N5NW" <n5nw@onebox.com>
- 11) [115372] Re: re tubes
by Dragon Singer <WM-Scace@wiu.edu>
- 12) [115373] Re: Tube messages
by "Tom Dooley" <tdooley@atl.mediaone.net>
- 13) [115374] Re: Changing adr. and license renewal
by FIVEWATTS@aol.com
- 14) [115375] Re: Changing adr. and license renewal
by Paul Womble <pwomble1@tampabay.rr.com>
- 15) [115376] NEQRP CW Net, 20 December 01, 8:30 PM EST, 3.565MHz
by Chuck Ludinsky <cjl@mitre.org>
- 16) [115377] Re: Nukes (was RE: Tube messages)
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 17) [115378] Re: tubes sound better?
by "Trevor Jacobs" <fxtech@earthlink.net>
- 18) [115379] OT:RE: tubes sound better?
by Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
- 19) [115380] AM Net tonight 3870 at 04:00 UTC

by "Trevor Jacobs" <fxtech@earthlink.net>
20) [115381] You are using vacuum tubes whether you like it or not!
by "James R. Duffey" <jamesd1@flash.net>
21) [115382] Re: tubes sound better?
by "John Moriarity" <k6qq@hdo.net>
22) [115383] Anthrax scare & FCC
by FIVEWATTS@aol.com
23) [115384] Re: tubes sound better?
by "George, W5YR" <w5yr@att.net>
24) [115385] Fox: Preliminary Log - N0IT Cub Fox
by Dave Sjolín <sjolin@swbell.net>
25) [115386] Building a 5763 rig..
by Steven Weber <kd1jv@moose.ncia.net>
26) [115387] Re: Building a 5763 rig..
by "Trevor Jacobs" <fxtech@earthlink.net>
27) [115388] 7.1 MHz?
by ARDUJENSKI@aol.com
28) [115389] RE: Building a 5763 rig..
by "Larry Roohr" <lrryr@attbi.com>
29) [115390] Measuring xtal power - Preaviso: Tube content
by Bob Okas <vintage@vintage.best.vwh.net>
30) [115391] Re: Tubes
by George Gingell <k3tks@u1.abs.net>
31) [115392] Re: Hole Punch
by George Gingell <k3tks@u1.abs.net>
32) [115393] Re: Measuring xtal power - Preaviso: Tube content
by "Prof. Arnaldo Coro Antich" <inforhc@ip.etecsa.cu>
33) [115394] FT: PSK-20
by "Pastor-KC1DI" <elbc@pivot.net>
34) [115395] RE: re tubes
by "N8IE" <n8ie@woh.rr.com>
35) [115396] RE: tubes sound better?
by Nick Kennedy <nkennedy@tcainternet.com>
36) [115397] Re: Nukes (was RE: Tube messages) OT
by Mike <mmorrow@companet.net>
37) [115398] Re: Fox: Preliminary Log - N0IT Cub Fox
by "Karl F. Larsen" <k5di@zianet.com>
38) [115399] Re: re tubes
by Bruce Muscolino <w6toy@erols.com>
39) [115400] Re: Nukes (was RE: Tube messages)
by David Hinerman <WD8CIV@worldnet.att.net>
40) [115401] Re: Changing adr. and license renewal
by David Hinerman <WD8CIV@worldnet.att.net>
41) [115402] Re: Tube messages
by "Michael C. Boatright" <ko4wx@mindspring.com>
42) [115403] Re: Nukes (was RE: Tube messages) OT
by Mike <mmorrow@companet.net>
43) [115404] Truffle Tonight 12/21 0130z - AF4PS

by Macstein@aol.com

44) [115405] Tube RX kits available?
by Alex <kr1st@amsat.org>

45) [115406] Re: You are using vacuum tubes whether you like it or not!
by W2AGN <w2agn@pobox.com>

46) [115407] OT RE: You are using vacuum tubes whether you like it or not!
by Dave Fouchey <dafouchey@home.com>

47) [115408] Re: ARRL and Band Threat
by Bill Coleman <aa4lr@arrl.net>

48) [115409] Cordless soldering pencils
by "Vincent A. Santis" <vsantis@javanet.com>

49) [115410] Converting tubes to solid state
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>

50) [115411] Re: Nukes (was RE: Tube messages) OT
by David Hinerman <WD8CIV@worldnet.att.net>

51) [115412] Re: Anthrax scare & FCC
by W2AGN <w2agn@pobox.com>

52) [115413] Re: Nukes (was RE: Tube messages) OT
by "Mike Yetsko" <myetsko@insydesw.com>

53) [115414] Tube Rigs and Contests?
by Brian Kassel <bkassel@dancris.com>

54) [115415] RE: [azqrp] Tube Rigs and Contests?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

55) [115416] Re: Anthrax scare & FCC Reply
by FIVEWATTS@aol.com

56) [115417] Re: Converting tubes to solid state
by Bruce Muscolino <w6toy@erols.com>

57) [115418] Re: tubes sound better?
by cherry@getnet.net

58) [115419] Re: ARRL and Band Threat
by Bruce Muscolino <w6toy@erols.com>

59) [115420] Re: tubes sound better?
by Jeff <fantbb@yahoo.com>

60) [115421] Re: ARRL and Band Threat
by "Dave Benson" <nn1g@earthlink.net>

61) [115422] Re: tubes sound better?
by "Mike Yetsko" <myetsko@insydesw.com>

62) [115423] RE: re tubes
by "Tracy Markham" <tracy@bytemark.com>

63) [115424] Re: Building a 5763 rig..
by Michael Fletcher <kl7ixi@attbi.com>

64) [115425] Re: ARRL and Band Threat
by Bruce Muscolino <w6toy@erols.com>

65) [115426] glowbug - how to inject vfo sig into Drake 2NT
by Brien Pepperdine <pepperb@gov.on.ca>

66) [115427] RE: Tube Rigs and Contests?
by "AI2Q Alex" <ai2q@adelphia.net>

67) [115428] Re: tubes sound better?

by "George, W5YR" <w5yr@att.net>
68) [115429] Re: Tube RX kits available?
by Bob Okas <vintage@vintage.best.vwh.net>
69) [115430] Re: ARRL and Band Threat
by Mike <mmorrow@companet.net>
70) [115431] Re: ARRL and Band Threat
by Mike <mmorrow@companet.net>
71) [115432] German QRPers published new 8-Band CW portable transceiver today
by DL2FI@t-online.de (Peter Zenker)
72) [115433] Re: tubes sound better?
by "Brice D. Hornback" <bdh@cyberbound.net>
73) [115434] Questions about BLT
by "Tom Dufresne" <tdufres@hotmail.com>
74) [115435] Re: Cordless soldering pencils
by "Leon Heller" <leon_heller@hotmail.com>
75) [115436] RE: re tubes
by "Karl F. Larsen" <k5di@zianet.com>
76) [115437] FS SW+40
by John Bohnert <johnb@elmhurst.edu>
77) [115438] Re: Nukes (was RE: Tube messages)
by "W3CDE Jerry L." <w3cde@bellsouth.net>
78) [115439] Re: You are using vacuum tubes whether you like it or not!
by "Karl F. Larsen" <k5di@zianet.com>
79) [115440] RE: re tubes
by cherry@getnet.net
80) [115441] Re: re tubes
by W2AGN <w2agn@pobox.com>
81) [115442] Re: You are using vacuum tubes whether you like it or not!
by "George, W5YR" <w5yr@att.net>
82) [115443] Fall QRPP in the Mail
by "Doug Hendricks" <ki6ds@dospalos.org>
83) [115444] Price Reduced
by K8ff@aol.com
84) [115445] Re: tubes sound better?
by "George, W5YR" <w5yr@att.net>
85) [115446] Re: Straight Key source
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
86) [115447] Re: re tubes
by "Rob Matherly" <kc0bom@arrl.net>
87) [115448] Re: You are using vacuum tubes whether you like it or not!
by "Rob Matherly" <kc0bom@arrl.net>
88) [115449] Re: Cordless soldering pencils
by "W3CDE Jerry L." <w3cde@bellsouth.net>
89) [115450] tubes
by euraamcom pages <mel@euramcom.freemove.co.uk>
90) [115451] RE: Straight Key source
by "Tracy Markham" <tracy@bytemark.com>
91) [115452] Re: re tubes

by "Mike Yetsko" <myetsko@insydesw.com>
92) [115453] RE: Straight Key source
by cherry@getnet.net
93) [115454] Re: You are using vacuum tubes whether you like it or not!
by W2AGN <w2agn@pobox.com>
94) [115455] Re: ARRL and Band Threat
by Bruce Muscolino <w6toy@erols.com>
95) [115456] Straight Keys
by W2AGN <w2agn@pobox.com>
96) [115457] Re: Straight Key source
by "Mike Yetsko" <myetsko@insydesw.com>
97) [115458] Re: tubes sound better?
by "W3CDE Jerry L." <w3cde@bellsouth.net>
98) [115459] Re: You are using vacuum tubes whether you like it or not!
by "W3CDE Jerry L." <w3cde@bellsouth.net>
99) [115460] Re: Straight Keys
by "ZOOM" <kandrparker@sympatico.ca>
100) [115461] Re: Straight Keys
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
101) [115462] Re: Straight Keys
by W2AGN <w2agn@pobox.com>
102) [115463] Re: Converting tubes to solid state
by William R Colbert <w5xe@juno.com>
103) [115464] Re: You are using vacuum tubes whether you like it or not!
by russn7dw@cs.com
104) [115465] Re: Straight Keys
by W2AGN <w2agn@pobox.com>
105) [115466] Re: Straight Keys
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
106) [115467] Re: tubes sound better?
by "George, W5YR" <w5yr@att.net>
107) [115468] Delete Key Alternatives
by W2AGN <w2agn@pobox.com>
108) [115469] Re: Cordless soldering pencils
by "George, W5YR" <w5yr@att.net>
109) [115470] Re: Converting tubes to solid state
by "George, W5YR" <w5yr@att.net>
110) [115471] Re: Delete Key Alternatives
by "George, W5YR" <w5yr@att.net>
111) [115472] RE: Cordless soldering pencils
by "Tracy Markham" <tracy@bytemark.com>
112) [115473] Re: tubes sound better?
by <n7dma@mindspring.com>
113) [115474] Re: Straight Keys
by Donn Kuse <casey.jay@gte.net>
114) [115475] Re: Cordless soldering pencils
by "Mike Yetsko" <myetsko@insydesw.com>
115) [115476] Re: [Elecraft] Thermeleze insulated wire - shameless plug

by "W3CDE Jerry L." <w3cde@bellsouth.net>

116) [115477] Re: tubes sound better?
by Steven Weber <kd1jv@moose.ncia.net>

117) [115478] Re: Tubes
by Steven Weber <kd1jv@moose.ncia.net>

118) [115479] 12AU7, 12AT7, 12BY7, 12AX7 etc. Manufacturers
by Chuck Carpenter <W5USJ@go.com>

119) [115480] Re: You are using vacuum tubes whether you like it or not!
by "Rob Matherly" <kc0bom@arrl.net>

120) [115481] Re: ARRL and Band Threat
by KENNETH ROBERT MCGUIRE <at902@tcnet.org>

121) [115482] tubes
by DENNIS SMITH <ne4o@swbell.net>

122) [115483] OT a correction
by "Ted Williams" <ted@g0ull.fsnet.co.uk>

123) [115484] What about the 6L6?
by FIVEWATTS@aol.com

124) [115485] [CONTEST] QRP Contest Calendar - Dec 20/31
by Ken Newman <N2CQ@dandy.net>

125) [115486] Tubes, Straight keys, 40 meters, FCC and all.
by "N8IE" <n8ie@woh.rr.com>

126) [115487] Re: Straight Keys
by "Jim Stamper" <jstamper@shentel.net>

127) [115488] Re: OT a correction
by "John J. McDonough" <wb8rcr@arrl.net>

128) [115489] Re: Tubes
by "Mike Branca" <w3irz@att.net>

129) [115490] Re: Tubes, Straight keys, 40 meters, FCC and all.
by "John Moriarity" <k6qq@hdo.net>

130) [115491] Re: [fpqrp] Tubes, Straight keys, 40 meters, FCC and all.
by W2AGN <w2agn@pobox.com>

131) [115492] RE: Tubes, Straight keys, 40 meters, FCC and all.
by "N8IE" <n8ie@woh.rr.com>

132) [115493] RE: [fpqrp] Tubes, Straight keys, 40 meters, FCC and all.
by "N8IE" <n8ie@woh.rr.com>

133) [115494] Re: Tubes, Straight keys, 40 meters, FCC and all.
by W2AGN <w2agn@pobox.com>

134) [115495] Re: Tubes, Straight keys, 40 meters, FCC and all.
by "Howard Kraus" <K2UD@adelphia.net>

135) [115496] RE: Tubes, Straight keys, 40 meters, FCC and all.
by "N8IE" <n8ie@woh.rr.com>

136) [115497] what makes this list great
by Bill ROWLETT <kc4atu@yahoo.com>

137) [115498] Re: tubes sound better?
by Bruce Muscolino <w6toy@erols.com>

138) [115499] Power problem with NC-20 need help Please
by IamSF5@aol.com

139) [115500] Butternut Hf9V ?

by n2go@arrl.net
140) [115501] Re: tubes sound better?
by "George, W5YR" <w5yr@att.net>
141) [115502] Re: ARRL and Band Threat
by Bruce Muscolino <w6toy@erols.com>

Date: Wed, 19 Dec 2001 19:05:48 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: jstamper@shentel.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115362] Re: Straight Key source
Message-ID: <3C212B5C.D4C0E5FE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim,
>
> Anybody know a source for a very inexpensive straight key--something like a
> J-38.
>
I wish! I bought my J-38 back around 1955 for 79 cents! It was brand new in the box, and they had thousands of them. I bought it from Olson's radio in Akron. It was made by Lionel, and I still have it! Wish I had bought them all!

Over the years I have bought a few more. and sold them for what I had invested. These days you can buy Korean War J-38's and other keys but the price tends to be in the \$40.00 bracket! I recently bought a Bencher Straight Key for \$60.00. From where I sit that's about it. Look around at hamfests!

73

Date: Wed, 19 Dec 2001 17:12:45 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [115363] Re: re tubes
Message-ID: <20011219.171250.-364595.15.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

K5DI wrote: " At that time my Ham rig was a Heath DX-100 with sideband slicer, and a 2-b reciever. All tubes and on a hot day I hated the stuff. Often the DX-100 would develop a problem that was fixed with a new tube."

No wonder you had trouble with the tubes since the DX100 was a transmitter only and trying to make it receive with a ssb slicer undoubtedly caused it to be severly upset!! The 2B is one of the better tube SSB receivers of its or even now time periods. Both a 2b and a 2A at the same time? Wow!

Date: Wed, 19 Dec 2001 19:14:19 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115364] Re: AM: Was Tube messages
Message-ID: <00ab01c188eb\$474b64e0\$0400a8c0@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Would an old tube CB set make a good base for a QRP AM rig? It's got the power supply and modulator. A couple of NOS higher-voltage trim caps and a coil wound on a T68-2 would do for the output circuit
Maybe I need to take another look at that old Comstat 19 that's down the basement...

Hap, WA3PTG
Wilmington, the Lower Counties

Date: Wed, 19 Dec 2001 19:44:45 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [115365] Re: tubes sound better?
Message-ID: <3.0.6.32.20011219194445.0079f100@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:50 PM 12/19/01 -0600, you wrote:

>How do you prove something that's entirely subjective? Isn't that like
>proving that cherry pie is better than apple?

But it is! And both are better than rhubarb.

>Or Guinness is better than
>Samual Adams?

But it is! And both are better than Rolling Rock. (Grin)

I knew a guy who wanted to try to make vacuum tubes from beer bottles.
Imagine a CW station with green tubes!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 19 Dec 2001 18:57:28 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <stjohn@ocsnet.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [115366] Changing adr. and license renewal
Message-ID: <009401c188f1\$4bd9b7e0\$4e100a0a@rohredt2000>

Due to Anthrax scare on East Coast, FCC is not doing mail business, they want you to use email, or fax in your forms. The forms are on web site. If you are ARRL member, they can do renewal for you no charge. Another way is thru local VE team who give exams. You are going to have to register first in the FCC cores system and get a FRN, Federal Registration Number, which ARRL can do for you, I believe. All good reasons to belong to ARRL!

ARRL.org has the info on this anyway on open web site, so look there for latest. If you sent it mail, they would not look at it for some time, as they are back logged on mail, and then they would reject it without CORES number registration.

Sorry to relate it is not as simple as before!

72,

Stuart K5KVH

Date: Wed, 19 Dec 2001 20:13:30 -0500
From: Mark Gilger <mgilger@brightdsl.net>
To: k5di@zianet.com,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115367] Re: re tubes
Message-ID: <4.3.0.20011219201138.01666900@mail.brightdsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Karl, you can't win this one, so best let it go. Tubes are here to stay and will always have a place in our QRP world. Long live the tube.....

Mark

At 02:44 PM 12/19/2001 -0700, Karl F. Larsen wrote:

> No one has said anything that changes my mind. In 1957 while
>getting my BSEE I was trained in tubes in the classroom and study hall,
>but in Lab we had a graduate working at Texas Instruments and he sent the
>college "Care Packages" that had 100's of transistors in it.
>
> At that time my Ham rig was a Heath DX-100 with sideband slicer,
>and a 2-b receiver. All tubes and on a hot day I hated the stuff. Often
>the DX-100 would develop a problem that was fixed with a new tube.
>
> In Lab we learned that you could build a counter faster than a
>12AU7 and it dissipated no real heat with transistors. But we had no power
>transistors then so it was hard to make even 5 watts out. The transistors
>of the late 1950's were great but didn't give a hint of things to come.
>
> I built a super-regen 3 transistor receiver that worked great. And
>a 2 watt crystal controlled transmitter not unlike the TT-2 of today. Tubes
>were going out. You still bought tube type TV sets but ALL radios were
>transistor and cheap batteries lasted for many hours.
>
> In 2000 Yeasu built the FT-817 which is all surface mount
>components and lots of integrated circuits and a few transistors and
>relays. It cost about the same as the DX-100 and 2-A receiver, but it
>works so much better it is just amazing!
>
> If you have never owned anything with tubes in it count yourself
>lucky. I recall trying to build a low noise receiver amp with tubes. Using

>special tubes that ran red hot you could get a 2 DB noise figure. Today
>buy any nice FM radio and the system noise level will be well below 1 DB!
>Production!

>

>--

>Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

> <http://www.zianet.com/k5di/>

[]

Mark Gilger, WB0IQK

Phone 330-658-5035

Fax 330-658-5036

Date: Wed, 19 Dec 2001 17:42:59 -0800

From: "Mike Silva" <mjsilva697@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [115368] Re: Tube messages

Message-ID: <010b01c188f7\$a8825d20\$46fab3d1@computer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Pete Burbank" <plburbank@kih.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 19, 2001 4:11 AM

Subject: Re: Tube messages

>.....

> One thing I like about old tube rigs is the smell....no not things
burning.....

> just the ongoing odor that they emanate.

> Tube rigs are as much fun as solid state rigs!!

Yeah, gotta make sure they get a little dust on them to get that nice "I'm
very hot" smell. When I was a kid and had just built a Knight-Kit Star
Roamer I'd turn off the lights and just hover over the radio, taking in the
glow and the aroma. Tubes make for sensual radio!

73,

Mike, KK6GM

Date: Wed, 19 Dec 2001 19:13:56 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mark Gilger <mgilger@brightdsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115369] Re: re tubes
Message-ID: <Pine.LNX.4.33.0112191912220.10546-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mark just trying to save a lot of people a big waste of time and some nasty shocks. Tubes except for 50,000 watts up are dead! No-one makes them any more!

On Wed, 19 Dec 2001, Mark Gilger wrote:

> Karl, you can't win this one, so best let it go. Tubes are here to stay and
> will always have a place in our QRP world. Long live the tube.....

>

> Mark

>

> At 02:44 PM 12/19/2001 -0700, Karl F. Larsen wrote:

>

> > No one has said anything that changes my mind. In 1957 while
> >getting my BSEE I was trained in tubes in the classroom and study hall,
> >but in Lab we had a graduate working at Texas Instruments and he sent the
> >college "Care Packages" that had 100's of transistors in it.

> >

> > At that time my Ham rig was a Heath DX-100 with sideband slicer,
> >and a 2-b receiver. All tubes and on a hot day I hated the stuff. Often
> >the DX-100 would develop a problem that was fixed with a new tube.

> >

> > In Lab we learned that you could build a counter faster than a
> >12AU7 and it dissipated no real heat with transistors. But we had no power
> >transistors then so it was hard to make even 5 watts out. The transistors
> >of the late 1950's were great but didn't give a hint of things to come.

> >

> > I built a super-regen 3 transistor receiver that worked great. And
> >a 2 watt crystal controlled transmitter not unlike the TT-2 of today. Tubes
> >were going out. You still bought tube type TV sets but ALL radios were
> >transistor and cheap batteries lasted for many hours.

> >

> > In 2000 Yeasu built the FT-817 which is all surface mount
> > components and lots of integrated circuits and a few transistors and
> > relays. It cost about the same as the DX-100 and 2-A reciever, but it
> > works so much better it is just amazing!
> >
> > If you have never owned anything with tubes in it count yourself
> > lucky. I recall trying to build a low noise receiver amp with tubes. Using
> > special tubes that ran red hot you could get a 2 DB noise figure. Today
> > buy any nice FM radio and the system noise level will be well below 1 DB!
> > Production!
> >
> >--
> >Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > <http://www.zianet.com/k5di/>
> >
> > []
> Mark Gilger, WB0IQK
> Phone 330-658-5035
> Fax 330-658-5036
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Wed, 19 Dec 2001 21:17:16 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [115370] Re: Nukes (was RE: Tube messages)
Message-ID: <B846AE01.BF6C%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Mike wrote:

> True enough. One of the 'tactics' the Soviets evidently had in their
> 'play book' was to explode a BIG one over the US. Many miles
> high. It wouldn't do much 'mechanical' damage on the ground, but
> when you have a burst that high with little conversion to mechanical
> energy (ie a shock wave) teh EMP is excessive. And there's even

> ways to enhance it. There were some projections that you could
> take out car alternators (by burning out the diode packs) at a distance
> of MANY HUNDREDS of miles. And this was in the 60's before
> consumer stuff became much more sensitive to EMP.

I think that's one of the reasons why General Curtis LeMay (a ham, BTW) in his role of being in charge of the SAC bombers made sure that the aircraft had military versions of the Collins S-line on board.

I wonder what's in use these days?

73 de Ray
K2ULR
FN20t1

Date: Wed, 19 Dec 2001 21:23:19 -0500
From: "Marty N5NW" <n5nw@onebox.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [115371] Re: Get me off this damn list!
Message-ID: <LNBBKNIEENMHNOLILCLGMEFLDCAA.n5nw@onebox.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looks like you tried every address except the correct one ... the address I have (and the one on the webpage at <http://listserv.lehigh.edu/lists/qrp-l/join.html> is listserv@lehigh.edu and the command is UNSUBSCRIBE QRP-L on a blank line.

N5NW/8
Marty
Dayton, Ohio

Date: Thu, 20 Dec 2001 02:34:11 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115372] Re: re tubes
Message-ID: <5.1.0.14.0.20011220023137.02a57688@pop3.wiu.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Karl,

Wayne K9DI es Sequoia here. Actually Karl, I hate to contradict you, but the Russians (Swetlana) make many high quality tubes.

Tubes except for 50,000 watts up are dead! No-one makes them
>any more!

>Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net

LICQ# 315313

FISTS# 4409

QRP-L# 2313

FPQRP-L# 217

SOC# 452

ARS # 1,082

Zombie # 800

<http://k9di.homestead.com/K9DIHam1.html>

Date: Wed, 19 Dec 2001 21:44:40 -0500

From: "Tom Dooley" <tdooley@atl.mediaone.net>

To: <w3irz@att.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115373] Re: Tube messages

Message-ID: <017e01c18900\$47cfff1a0\$084f3842@atl.mediaone.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Mike,

Hmmm, QRO, maybe your keyboard is not QWERTY? Maybe its TYUIPO?

Works for my touch typing anyway!

72 de K4TJD Tom

Dooley's corollary to Murphy's law, Murphy is an optimist!

K2 #360

ARCI #9886

NoGA Also

----- Original Message -----

From: "Mike Branca" <w3irz@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 19, 2001 10:24 AM

Subject: Re: Tube messages

Tube are interesting as proven by the interest shown. The North Georgia QRO club (NoGa) will be soon making another limited offering of their "Twin Tube 80" transmitter as featured in QJ October 2000. This will be announced in January.

Mike Branca W3IRZ in Conyers Georgia

Date: Wed, 19 Dec 2001 22:03:40 EST

From: FIVEWATTS@aol.com

To: rohre@arlut.utexas.edu, qrp-1@lehigh.edu

Subject: [115374] Re: Changing adr. and license renewal

Message-ID: <17a.1094878.2952af0c@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 12/19/01 8:00:13 PM Eastern Standard Time, rohre@arlut.utexas.edu writes:

<< Due to Anthrax scare on East Coast, FCC is not doing mail business, they want you to use email, or fax in your forms. The forms are on web site. If you are ARRL member, they can do renewal for you no charge. Another way is thru local VE team who give exams. You are going to have to register first in the FCC cores system and get a FRN, Federal Registration Number, which ARRL can do for you, I believe. All good reasons to belong to ARRL!

>>

The Anthrax is all BS.

Right here in Hamiltin, NJ where it all started the post office is closed and sealed up.

All mail is re-routed/
I just updated my new address and a week later went to the site and
registered and received my FRN number.
I am "NOT" a member of ARRL.
FCC mailed me a total of three letters plus my new license.
If you have a form you can still mail it in.
I don't know where you received this information but it's wrong.
Bob
WA2HQrp <tm>

Date: Wed, 19 Dec 2001 22:12:30 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115375] Re: Changing adr. and license renewal
Message-ID: <3C21571E.34D7ED35@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob you should check your facts before sending flames to the list. This press
release was just released this week.

http://www.fcc.gov/Bureaus/Miscellaneous/Public_Notices/2001/da012919.html

DA 01-2919

Released: December 14, 2001

FCC ANNOUNCES A NEW FILING LOCATION FOR PAPER
DOCUMENTS
AND A NEW FAX NUMBER FOR GENERAL
CORRESPONDENCE

NEW FILING LOCATION FOR PAPER DOCUMENTS. Effective December 18, 2001,
the Commission's contractor, Vistronix, Inc., will begin
receiving hand-delivered or messenger-delivered paper filings for the
Commission's Secretary at a new location in downtown Washington, DC. The
address is 236 Massachusetts Avenue, NE, Suite 110, Washington, DC
20002. The filing hours at this location will be 8:00 a.m. to 7:00 p.m. All hand
deliveries must be held together with rubber bands or fasteners. Any
envelopes must be disposed of before entering the building.

This facility is the only location where hand-delivered or
messenger-delivered paper filings for the Commission's Secretary will be

accepted.

Accordingly, the Commission will no longer accept these filings at 9300 East Hampton Drive, Capitol Heights, MD 20743. In addition, this is a reminder that, effective October 18, the Commission discontinued receiving hand-delivered or messenger-delivered filings for the Secretary at its headquarters location at 445 12th Street, SW, Washington, DC 20554.

You can find the original media release that says NO paper applications here:

http://www.fcc.gov/Bureaus/OMD/News_Releases/2001/nrmd0106.txt

Paul K4FB

FIVEWATTS@aol.com wrote:

> I don't know where you received this information but it's wrong.

Date: Wed, 19 Dec 2001 22:27:26 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [115376] NEQRP CW Net, 20 December 01, 8:30 PM EST, 3.565MHz
Message-ID: <3C215A9E.11FE52B@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 20 December 2001, at 8:30 PM EST (0130Z, 21 December 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be Chuck, K1CL, operating from Chelmsford, MA.

With excellent conditions on 80M, we had a total of seven participants in last week's net:

KA3WMJ	Ken	Erwinna, PA	599
WB1HBE	John	Chelmsford, MA	599
K1RC	John	Dracut, MA	599
N1ZSW	Ron	Worcester, MA	589
K1NNP	Don	Griswold, CT	599
VE3SP	Ron	Hamilton, ON	589
K1CL	Chuck	Chelmsford, MA	net op

Thanks to everyone for QNI'ing. Hope to hear you again on this week's net. And best wishes for the holidays to everyone.

72 DE K1CL,
Chuck.

Date: Thu, 20 Dec 2001 03:30:36 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: raysills@1stconnect.com, qrp-1@Lehigh.EDU
Subject: [115377] Re: Nukes (was RE: Tube messages)
Message-ID: <F251vCBLvT7aTQ4gLGa00009b1f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

They have (or at least 10 years ago) Harris gear on board, but HF was used as backup. Primary communications was via satcom.

72
Dennis - WB0WAO

>
>I think that's one of the reasons why General Curtis LeMay (a ham, BTW) in
>his role of being in charge of the SAC bombers made sure that the aircraft
>had military versions of the Collins S-line on board.
>
>I wonder what's in use these days?
>
>
>73 de Ray
>K2ULR
>FN20t1
>
>
>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Wed, 19 Dec 2001 19:33:51 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115378] Re: tubes sound better?
Message-ID: <00c801c18907\$2508e1c0\$08eab3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well Nick, I don't know how to quantify it, but I'd never sell my Mesa Boogie Mark III guitar amp! Wish I still had my 1969 Marshall 100 watt amp, but it had to go, at least to a good home. I've never played on a solid state guitar amp that sounded good. I'm not an audio expert, so I can't say exactly why they sound better (maybe someone else knows the exact answer) but I think it has something to do with the harmonics that are generated by the tube that aren't generated by solid state gear. All of the serious audio buffs run tube gear. So, to all of the na sayers of tubes, here's an application that solid state just won't do, and I'm sure that there are plenty of guitarists and audio buffs on the list to back me up ;-)

One other observation, although this is a QRP list it might be worth mentioning that most of the RF linear amps sold today still use tubes (such as an 811!!!). Solid state is making progress, but tubes are still better. I bet if you went to most comercial stations, the transmitters use tubes.

72/73's

Trev

KG6CYN

----- Original Message -----

From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, December 19, 2001 3:50 PM
Subject: tubes sound better?

> How do you prove something that's entirely subjective? Isn't that
like
> proving that cherry pie is better than apple? Or Guinness is better
than
> Samual Adams?
>
> 72--Nick, WA5BDU
>

> -----Original Message-----
> From: Rob Matherly [SMTP:kc0bom@arrl.net]
> It's actually a proven fact that vacuum tube based audio systems are
MUCH
> better sounding than transistorized deals. AAMOF, Stereo amps with
tubes
> are the "in thing" now.
>
> 72/73/oo
> Rob, kc0bom
>
>
>
>

Date: Wed, 19 Dec 2001 21:47:22 -0600
From: Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
To: "'fxtech@earthlink.net'" <fxtech@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115379] OT:RE: tubes sound better?
Message-ID: <50A3595A9022DE4D8FB4702CD4F79CF7556F47@il06exm25.ds.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Some tube amps are amazing, Their sound is more realistic. But they have many
downsides including tube life. I am a closet audiophile, (not enough ready
cash). One thing of interest is some of the newer FET and MOSFET designs that are
starting to rival tube amps.

Bob Fairbairn

Real amps do NOT have tone controls!

-----Original Message-----
From: Trevor Jacobs [mailto:fxtech@earthlink.net]
Sent: Wednesday, December 19, 2001 9:34 PM
To: Low Power Amateur Radio Discussion
Subject: Re: tubes sound better?

Well Nick, I don't know how to quantify it, but I'd never sell my Mesa
Boogie Mark III guitar amp! Wish I still had my 1969 Marshall 100 watt

amp, but it had to go, at least to a good home. I've never played on a solid state guitar amp that sounded good. I'm not an audio expert, so I can't say exactly why they sound better (maybe someone else knows the exact answer) but I think it has something to do with the harmonics that are generated by the tube that aren't generated by solid state gear. All of the serious audio buffs run tube gear. So, to all of the na sayers of tubes, here's an application that solid state just won't do, and I'm sure that there are plenty of guitarists and audio buffs on the list to back me up ;-)

One other observation, although this is a QRP list it might be worth mentioning that most of the RF linear amps sold today still use tubes (such as an 811!!!). Solid state is making progress, but tubes are still better. I bet if you went to most commercial stations, the transmitters use tubes.

72/73's

Trev

KG6CYN

----- Original Message -----

From: Nick Kennedy <nkennedy@tcainternet.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 19, 2001 3:50 PM

Subject: tubes sound better?

> How do you prove something that's entirely subjective? Isn't that like

> proving that cherry pie is better than apple? Or Guinness is better than

> Samual Adams?

>

> 72--Nick, WA5BDU

>

> -----Original Message-----

> From: Rob Matherly [SMTP:kc0bom@arrl.net]

> It's actually a proven fact that vacuum tube based audio systems are MUCH

> better sounding than transistorized deals. AAMOF, Stereo amps with tubes

> are the "in thing" now.

>

> 72/73/oo

> Rob, kc0bom

>

>

>

>

Date: Wed, 19 Dec 2001 19:59:01 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115380] AM Net tonight 3870 at 04:00 UTC
Message-ID: <010401c1890a\$a933b120\$08eab3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just thought I'd mention that the West Coast AM International Net is tonight on 3870 04:00 UTC to at least 05:00 UTC. You'll be able to hear some very nice AM stations on tonight. Try and check in if you have a rig that will do AM. We'll be listening for you.

72/73's
Trev
KG6CYN

Date: Wed, 19 Dec 2001 21:07:40 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [115381] You are using vacuum tubes whether you like it or not!
Message-ID: <B846B21C.FCAE%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I have followed the recent discussion on vacuum tubes with interest. I am surprised that no one mentioned that vacuum tubes are alive and well in several consumer devices we all use every day. In fact I would be willing to bet a Guinness or a Sam Adams that most of the people who are reading this are using a vacuum tube right now. In fact, you are probably staring into a vacuum tube as you read this.

Cathode ray tubes are triodes with a heater, grid, and plate. They have some other deflection plates in there, but they basically are triodes. And nearly every TV has one. And most computer monitors. And you are probably glad that you are using one. Even Karl :) If you are using a laptop or LCD flat panel display to read this you win the bet. The line forms at the Knights of Columbus Bar in Ft. Smith. Bring your laptop as proof. :)=

It is hard to beat the efficiency of generating light by having high energy electrons hit a phosphor and create photons. You get a lot of light out without too much energy in. And it is cheap. We will have cathode ray tubes around for a while yet.

So if you watched TV or used a computer, you probably used vacuum tubes.

The third consumer device? A microwave oven. It has a pretty high power oscillator based on a vacuum tube, the magnetron. Vacuum tubes are still the cheapest way to generate high power microwaves. We use a very high power klystron at about 3 mm wavelength at work. Don't ask what for.

And if you have had a dental or medical X-ray recently the machine used a vacuum tube, a diode this time, to generate the X-Rays. And so did the machine at the airport that spotted your QRP rig and got you delayed while they hand searched your luggage.

So the vacuum tube, like the black knight, ain't dead yet. - Dr. Megacycle
KK6MC/5 "Radio Green Chile"

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Wed, 19 Dec 2001 21:07:12 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115382] Re: tubes sound better?
Message-ID: <01c501c18914\$2fd4a1e0\$c05fa13f@k6qq>

As a matter of fact, many tube amplifiers **do** sound better.

This is because they overload in a manner that tends to produce even-order distortion. Solid-state amplifiers with lots of feedback stay linear up to the point where they clip, and generate odd-order distortion products.

Our (western) musical scale is a result of the fact that the human ear "overloads" in a way that produces even order products. If you are really interested, I'll give you a reference to substantiate this.

As a result, even-order distortion products are more "pleasing" to the human ear, and tube amplifiers sound

better to us than (poorly designed) solid state amplifiers.

73,

John, K6QQ

Date: Thu, 20 Dec 2001 00:30:17 EST
From: FIVEWATTS@aol.com
To: qrp-L@lehigh.edu
Subject: [115383] Anthrax scare & FCC
Message-ID: <17e.1114180.2952d169@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

<< Due to Anthrax scare on East Coast, FCC is not doing mail business, they want you to use email, or fax in your forms. The forms are on web site. If you are ARRL member, they can do renewal for you no charge. Another way is

I went to the URL and there is nothing there saying FCC will not take hand delivered mail due to the so called Anthrax scare on the East Coast. You don't have to be a ARRL member to make changes in you license status. They only changed the mailing address.

Bob

WA2HOQrp <tm>

Date: Wed, 19 Dec 2001 23:33:50 -0600
From: "George, W5YR" <w5yr@att.net>
To: k6qq@hdo.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115384] Re: tubes sound better?
Message-ID: <3C21783E.CE21B62C@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good points, John, and thanks for bringing them out.

I think that another aspect of tube amps, in music especially, is the historical base upon which much music has been performed and is remembered. Until fairly recently, most guitar amps, especially, were tubed. It is only

natural that people remember both the actual acoustic sound of those instruments and the recorded versions.

A lot of people grew up listening to tube radios. They are a deeply embedded element of our culture. Likewise with tubed "hi-fi" systems, etc.

So, to me, it is not surprising that a lot of folks claim that, to them, tubes "sound better". That is what they grew up with and from what they learned the sound of "good" music.

There are technical reasons why two amps - one tubed and one solidstate - both of equal dynamic and frequency response characteristics - producing equal power into equal transducers must sound the same to an observer. To deny that is to deny the linear system and circuit theory which is the basis for much of our systems concepts.

However, once we venture beyond the linear domain, and much modern sound and music does that almost constantly and intentionally, there can be marked differences in the sound of two such amplifiers. Hence, it is no surprise that two camps of enthusiasts develop.

I guess that from my age and pre-transistor education, I will always have a warm spot for tubes (no pun intended!) but it is also true that the only pieces of gear in the shack today with tubes in it are the oscilloscope (CRT), the Heath Monitorscope - all tubes - and the computer monitor. But I still have a couple of RCA tube manuals! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

John Moriarity wrote:

>

> As a matter of fact, many tube amplifiers *do* sound
> better.

Date: Wed, 19 Dec 2001 23:33:52 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [115385] Fox: Preliminary Log - N0IT Cub Fox
Message-ID: <3C21783F.7EA95141@swbell.net>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Attached is my preliminary log from last night. Since I kept a paper log and typed up the final, its possible some errors have crept in. Please contact me as soon as possible with any corrections. Thanks.

Totals pelts were 50 plus myself as fox. One pelt went to a qro station. Not sure if they count. Twenty two states and three provinces. Very little close in. No AR, OK, IL, IA, IN, or WI. Sorry W0CH.

Thanks again for all who stopped by and made it a fun evening.

73 de Dave, N0IT
Merry Christmas to all

UTC	CALL	RST	STATE	NAME	POWER
02:00	W5YR	559	TX	GEORGE	5W
02:01	N2CQ	559	NJ	KEN	5W
02:02	K5DI	559	NM	KARL	5W
02:03	KC9LC	559	VA	RANDY	5W
02:05	K0EVZ	559	ND	DOC	5W
02:06	K4ADI	559	SC	FRANK	5W
02:08	K5JHP	559	TX	BILL	5W
02:09	KV4EE	559	SC	CRAIG	4W
02:10	K4GT	559	GA	JIM	5W
02:11	K8CV	559	MI	WALT	5W
02:12	K4FB	559	FL	PAUL	5W
02:14	VE3FAL	579	ONT	FRED	5W
02:15	N1TP	559	FL	TOM	5W
02:17	NF0R	599	MO	DAVE	250mw
02:17	WD7Z	559	NM	DAVE	5W
02:18	AF4PS	559	FL	MAC	3W
02:19	AG0T	559	ND	TODD	4W
02:20	KC1FB	559	CT	JIM	5W
02:21	AA50	559	LA	VERN	5W
02:22	KG4LDY	559	VA	JIM	5W
02:24	KK5LD	599	TX	DAN	5W
02:24	W8VJW	559	MI	JOHN	5W
02:25	W6EU	569	CA	JIM	1W
02:27	W4BQP	599	NC	JIM	5W
02:28	VE4WI	559	MB	CRAIG	5W
02:29	K4BYF	559	FL	JACK	5W

02:30	N5IB	559	LA	JIM	5W	
02:31	WA8BXN	559	OH	MIKE	5W	
02:33	N5YFC	559	LA	WAYNE		5W
02:34	W3CD	559	CA	BOB	5W	
02:35	K2ZN	559	NC	AL	1W	
02:37	AB8DF	559	MI	ED	5W	
02:38	K5PSH	559	TX	JERRY		5W
02:40	KL7IXI	549	WA	MIKE	3W	
02:41	KB1DXC	559	CT	MIKE	5W	
02:43	N0TK	559	CO	DAN	5W	
02:44	W3SMK	559	NJ	STEVE		5W
02:45	WB8WTU	559	OH	DENNIS		2W
02:46	KB3EOF	559	MD	SANDY		5W
02:47	KG6CYN	559	CA	TREVOR		5W
02:50	KB1FCL	559	CT	MATT	5W	
02:51	N4IM	559	TX	COLE	5W	
02:54	N1YXU	599	TX	LAURIE		100W
03:04	AJ4AY	579	AL	JAY	5W	
03:17	VA6RF	589	AB	EARL	5W	
03:18	N5GJQ	579	LA	MIKE	5W	
03:21	AD6JY	559	CA	DAN	5W	
03:25	N10DL	559	NH	ARON	5W	
03:27	WR50	559	TX	DAVE	5W	
03:37	AD4IH	559	FL	JOE	5W	
04:00	N0IT	FOX	MO	DAVE	5W	

Date: Thu, 20 Dec 2001 01:04:16 -0500
 From: Steven Weber <kd1jv@moose.ncia.net>
 To: qrp-l@lehigh.edu
 Subject: [115386] Building a 5763 rig..
 Message-ID: <3.0.6.32.20011220010416.007a96b0@mailhost.ncia.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

Hey Vacuum heads!

Started working on a 5763 xmitter this evening and got a good start. Most of the metal work is done and major parts mounted. Going to use a 6CU8 for the oscillator - buffer (triode/pentiodode). It's going to be a hybrid rig, a few transistors will be in it for control and keying. Going to try a transistor variable HV supply to control the screen grid of the 5763 for output power control. Humm, wonder if I could feed audio into that transistor regulator and get screen grid modulated AM out of it? I even

have a 7240 MHz xtal, humm...

Will be grid block keying with opto isolated key input. Built in delayed T/R switching with antenna relay and Rx mute output. Even found a #47 bulb and holder with red jeweled lens for the plate "meter" <g> Octal tube socket on the front panel for FT-243 xtal socket.

With any luck, hope to get it done by the weekend, at which time I'll be looking for "Q's" on 7.050. Unless I get a little crazy and hook up a DDS VFO to it<G> Sure has been a nice break to work on something like this after all the SMT stuff I've been doing lately...

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Wed, 19 Dec 2001 23:19:04 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <kd1jv@moose.ncia.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115387] Re: Building a 5763 rig..
Message-ID: <015c01c18926\$9b352b00\$08eab3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Way to go Steve!

Tell you what, you get that thing to amplitude modulate and we'll schedule a QS0! Any chance this could be a "Melt Solder Kit" ? Think the Vacuum Tube interest is peaking here on the list ;-)

72/73's
Trev
KG6CYN

----- Original Message -----

From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, December 19, 2001 10:04 PM
Subject: Building a 5763 rig..

> Hey Vacuum heads!
>
> Started working on a 5763 xmitter this evening and got a good start.
Most
> of the metal work is done and major parts mounted. Going to use a 6CU8
for
> the oscillator - buffer (triode/pentode). It's going to be a hybrid
rig, a
> few transistors will be in it for control and keying. Going to try a
> transistor variable HV supply to control the screen grid of the 5763
for
> output power control. Humm, wonder if I could feed audio into that
> transistor regulator and get screen grid modulated AM out of it? I
even
> have a 7240 MHz xtal, humm...
>
> Will be grid block keying with opto isolated key input. Built in
delayed
> T/R switching with antenna relay and Rx mute output. Even found a #47
bulb
> and holder with red jeweled lens for the plate "meter" <g> Octal tube
> socket on the front panel for FT-243 xtal socket.
>
> With any luck, hope to get it done by the weekend, at which time I'll
be
> looking for "Q's" on 7.050. Unless I get a little crazy and hook up a
DDS
> VFO to it<G> Sure has been a nice break to work on something like this
> after all the SMT stuff I've been doing lately...
>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>
>

Date: Thu, 20 Dec 2001 02:20:48 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [115388] 7.1 MHz?
Message-ID: <192.4b7e.2952eb50@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Does anyone know what happened to the station that used to transmit code practice on 7.1? I have noticed in its place is hispanic SSB operators. Is this temporary or no longer going to be conducting this service?

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Thu, 20 Dec 2001 00:29:04 -0700
From: "Larry Roohr" <lrryr@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115389] RE: Building a 5763 rig..
Message-ID: <NFBBIHGNELIBNPBLMBLMIELGCOAA.lrryr@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The AM Window site has a few 'PW' (special acronym for low power <g>) AM tube designs.

See: <http://www.thebizlink.com/am/tech/htm/pw.htm>

Larry

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Trevor Jacobs
Sent: Thursday, December 20, 2001 12:19 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Building a 5763 rig..

Way to go Steve!

Tell you what, you get that thing to amplitude modulate and we'll schedule a QSO! Any chance this could be a "Melt Solder Kit" ? Think the Vacuum Tube interest is peaking here on the list ;-)

72/73's
Trev
KG6CYN

----- Original Message -----

From: Steven Weber <kd1jv@moose.ncia.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Wednesday, December 19, 2001 10:04 PM

Subject: Building a 5763 rig..

> Hey Vacuum heads!

>

> Started working on a 5763 xmitter this evening and got a good start.

Most

> of the metal work is done and major parts mounted. Going to use a 6CU8
for

> the oscillator - buffer (triode/pentode). It's going to be a hybred
rig, a

> few transistors will be in it for control and keying. Going to try a

> transistor variable HV supply to control the screen grid of the 5763
for

> output power control. Humm, wonder if I could feed audio into that

> transistor regulator and get screen grid modulated AM out of it? I
even

> have a 7240 MHz xtal, humm...

>

> Will be grid block keying with opto isolated key input. Built in
delayed

> T/R switching with antenna relay and Rx mute output. Even found a #47
bulb

> and holder with red jeweled lens for the plate "meter" <g> Octal tube

> socket on the front panel for FT-243 xtal socket.

>

> With any luck, hope to get it done by the weekend, at which time I'll
be

> looking for "Q's" on 7.050. Unless I get a little crazy and hook up a
DDS

> VFO to it<G> Sure has been a nice break to work on something like this

> after all the SMT stuff I've been doing lately...

>

>

> 72,

> Steve, KD1JV

> "Melt Solder"

> White Mountians of New Hampshire

> <http://www.qsl.net/kd1jv/>

>

Date: Thu, 20 Dec 2001 07:54:25 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: qrp-l@lehigh.edu
Subject: [115390] Measuring xtal power - Preaviso: Tube content
Message-ID: <Pine.BSF.4.40.0112200628470.57396-100000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

To continue this, ahem, lively discussion concerning hollow state electronics, I've a question. I'm designing up a MOPA rig with a 5763 for the final. The oscillator is a grid-plate design which uses a 6AU6. I'm concerned about putting too much power into the delicate HC-49/U xtals. My oscillator runs with as low as 10V on the plate, but 300V produces the drive needed for the final. The frequency is rock solid at the high B+ voltage, which seems to indicate that the crystal isn't being overly stressed, or is it?

The concern is avoiding the destruction of the crystal. Typical maximum drive power for HC49/U crystals is 5-10mW. How to measure this? The MOPA oscillator circuit has a 22 Ohm resistor in series with the crystal. With a 300V supply, there was a 0.8V drop across the resistor, resulting in 36mA. Not totally believing this, I replaced the resistor with a #49 lamp. No doubt some will remember this was used as an indicator of crystal current/fuse from the power oscillator days... The lamp barely glowed a very dull orange. Hooking the same lamp to a DC supply and adjusting for similar brightness, the current was around 39mA and the applied voltage was about .7V, resulting in 28mW dissipated by the lamp. This agrees with the resistor dissipation.

The voltage drop across the crystal is 33Vpp; the rms value is about 11.7V. Naively multiplying the rms voltage and current yields an unrealistic 420 mW! The crystal shoulda cracked with that power, or at least gotten warm. Obviously current and voltage aren't in phase...

So how does one go about calculating drive power?

73,
Bob - W3CD

Date: Thu, 20 Dec 2001 03:34:55 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [115391] Re: Tubes
Message-ID: <20011220031646.X78065-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

First of All I would not Say that the 4CX1000 has nothing to do with QRP.

While you are not likely to find it in any QRP Transmitters, If it is Good, You can sell it for enough Green Stuff to buy yourself a damn nice little QRP Rig! :^}

In Fact I would love to have a Burnt Out 4CX1000 and Socket. I would Build a Little QRP rig in the Base and Make everyone think it was really a BIG QRP RIG. :^}

I once made QRPp Award Trophys out of 813 Tubes. QRPp Humor..

I was thinking only last night that I could maybe convert some of the oLD HEATHKIT test equipment into a QRP Transmitter. Maybe i could use the Tuning Eye Tube as a Relative RF output Device.

I really like the Idea of Cutting open Tube envelopes and installing Solid State Components.

I was thinking that you could use the lead Came in Stained Glass work to put it back together. So much more Classy than Super Glue. :^}

Yes, they did make Solid State Tubes for many rigs. I once had a bunch of them for the Collins Rigs.

I also had a pair for my old heathkit VTVM. It may be dead in the water.

I blew the hellout of it trying to test a Laser High Voltage Supply.

I forgot to use the Big TV HV Probe.

I also have a Set of Tube Adapters for reading the Voltages from the Top of the Chassis.

Oh, Yes, I have a Brand New Hickox Tube Tester in my Office. It was the Last of its type made. One day it will be a Valuable Collectors Item. :^}

Actually it is right now. I also have a box of Brand NEW Tubes that I saved for Special Projects.

While Tubes may or may not be QRP, they are certainly a lot more interesting than some of the other topics that I have seen on here this month.

It seems that some here would rather shoot of their mouth than try to do or say something constructive.

How often do you exercise your DELETE KEY? Every other message?

Don't like Tubes, Build Solid State modules to replace them.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 20 Dec 2001 03:44:13 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: "Dave (K1SWL = Small Wonder Labs) Benson" <nn1g@earthlink.net>
Cc: QRP List <qrp-l@Lehigh.EDU>
Subject: [115392] Re: Hole Punch
Message-ID: <20011220033457.J78065-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dave,

There are several solutions to the problem,

One is to use a Leather Hole Punch and a Rawhide Mallet on a Rubber Work top. You can also make your own with a piece of pipe or Thinwall Conduit.

Sharpen the Outside Edge on the Side of your Grinding wheel. You can Make a plug for the top end out of a piece of Wooden Dowel. Put the Dowel in your Drill Press and turn down about an inch on the bottom of the plug to fit inside of the Pipe. Hammer in the plug then grind the edge. The plug will keep the end from being damaged.

The easy way out is to purchase a Gasket Punch set from Harborfreight.com

I think it is around \$ 15.00 for the set. It uses an automatic Center Punch type device with various Cutting tips. It is made of Rubber or Cork Gasket Material.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 20 Dec 2001 04:02:03 -0400
From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etcasa.cu>
To: <vintage@vintage.best.vwh.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [115393] Re: Measuring xtal power - Preaviso: Tube content
Message-ID: <008a01c1892d\$68bc7780\$02000a0a@user>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear amigo Bob:

The question about "computer crystals" and how much power they can dissipate has puzzled me for some time now.

My findings include the following:

1. Not all "computer" crystals are created equal !!!!
2. When placed in the GRID circuit of the any of the typical grid-plate vacuum tube oscillators the one I have tested seem to work well, without overheating
3. Signs of overheating are easily detected by monitoring the crystal's frequency, as soon as drift starts to happen, you can be sure the crystal is heating up !!!
4. Don't use these crystals in a PIERCE type oscillator, not even if you use the screen as the "oscillator plate" and then leave the plate untuned, fed via a resistor or better yet, via an RF choke...
5. You may get away with the PIERCE ultra simple circuit (uses no tuning element but the crystal itself) by reducing the input of the vacuum tube merely by lowering the plate and screen voltages
6. With a tuned circuit on the plate, and about 150 volts, you should get quite enough drive....

AND ... Congratulations for your very interesting practical research about this topic...

My favorite circuit is the ECO, Electron Couple Oscillator, connecting one side of the crystal to the screen grid of a tetrode or pentode via a .01 disk ceramic capacitor, the other side of the crystal goes the tube's grid and the grid has a 22 to 100 k resistor to ground. The screen grid is fed + lowest possible voltage for good drive, via an RF choke or a 2 watt carbon resistor of no less than 10 kilo ohms../..

The plate circuit is connected to a tuned circuit of not too high Q, and drive is taken to the next stage grid via a small capacitor from the plate of the oscillator tube to the grid...

Hope you test this circuit and see how well it works !!!

73 and Seasons Greetings

Arnie Coro

C02KK

----- Original Message -----

From: "Bob Okas" <vintage@vintage.best.vwh.net>

To: "Low Power Amateur Radio Discussion" <

Sent: jueves, 20 de diciembre de 2001 3:54

Subject: Measuring xtal power - Preaviso: Tube content

> Hi Gang,
>
> To continue this, ahem, lively discussion concerning hollow state
> electronics, I've a question. I'm designing up a MOPA rig with a 5763
> for the final. The oscillator is a grid-plate design which uses a 6AU6.
> I'm concerned about putting too much power into the delicate HC-49/U
> xtals. My oscillator runs with as low as 10V on the plate, but 300V
> produces the drive needed for the final. The frequency is rock solid at
> the high B+ voltage, which seems to indicate that the crystal isn't
> being overly stressed, or is it?
>
> The concern is avoiding the destruction of the crystal. Typical
> maximum drive power for HC49/U crystals is 5-10mW. How to measure this?
> The MOPA oscillator circuit has a 22 Ohm resistor in series with the
> crystal. With a 300V supply, there was a 0.8V drop across the resistor,
> resulting in 36mA. Not totally believing this, I replaced the resistor
> with a #49 lamp. No doubt some will remember this was used as an
> indicator of crystal current/fuse from the power oscillator days... The
> lamp barely glowed a very dull orange. Hooking the same lamp to a DC
> supply and adjusting for similar brightness, the current was around
> 39mA and the applied voltage was about .7V, resulting in 28mW
> dissipated by the lamp. This agrees with the resistor dissipation.
>
> The voltage drop across the crystal is 33Vpp; the rms value is
> about 11.7V. Naively multiplying the rms voltage and current yields an
> unrealistic 420 mW! The crystal shoulda cracked with that power, or at
> least gotten warm. Obviously current and voltage aren't in phase...
>
> So how does one go about calculating drive power?
>
> 73,
> Bob - W3CD
>
>
>
>
>
>
>
>
>
>
>

Date: Thu, 20 Dec 2001 04:10:08 -0500

From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115394] FT: PSK-20
Message-ID: <008601c18936\$1f860280\$6e6fccd8@dor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All ,
Still have a nice Small Wonders Lab PSK-20 that would like to swap for a
good CW Rig. The Psk-20 is in good shape and works well with all
documentation and factory case.
Thanks,
73 Dave

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.309 / Virus Database: 170 - Release Date: 12/17/01

Date: Thu, 20 Dec 2001 06:56:45 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [115395] RE: re tubes
Message-ID: <000201c1894d\$65e55520\$0300a8c0@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why?

-----Original Message-----
Karl F. Larsen (k5di@zianet.com):
>If you have never owned anything with tubes in it count yourself lucky.

Date: Thu, 20 Dec 2001 06:30:47 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'k6qq@hdo.net'" <k6qq@hdo.net> ,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115396] RE: tubes sound better?
Message-ID: <01C1891F.DD195160.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello John--

I've heard a version of this story before, but a little differently. My version:

It's not odds versus evens, it's simple harmonic versus intermodulation.

Any musical instrument (and voice) contains harmonics (odd and even) in its sound spectrum. Those are part of the character of the sound. Disturbing the balance of those harmonics somewhat by generating some more is not objectionable to the ear, and usually not even detectable. So simple harmonic distortion ain't that bad.

Intermodulation (IMD) is the sum and difference products produced by non-linear mixing--the kind we do on purpose in superhets. Now if you have two musical tones and you add in their sum and difference tones, the result will be non-musical because those products aren't harmonically related to the musical scale of interest.

I believe this IMD mixing was mainly blamed on crossover distortion. It occurred in the period when a push pull amp went through a zero crossing. Since transistors don't conduct linearly all the way down to zero, there was this -0.7 to +0.7 volt notch where IMD was produced. It was worse when you played at low volume.

But I believe this was pretty much in the earlier days of solid state Hi-Fi design. There are ways around this problem; else our wonderful modern solid state stereos wouldn't sound as good as they do. And of course those receivers and amplifiers in our entertainment centers are just as solid state as my cheap little Peavy guitar amp.

No doubt tubes sound a bit different--a little hum for warmth, a little natural compression, a little more harmonic generation. And some guitar players may prefer that sound. But consider my nephew--a great little budding rock guitarist that I have the tube argument with a lot. He has a fine ear, but I still say he prefers tube amps because his hero Eric Clapton uses 'em. And believe me, his new Delta Blues amp is a real boatanchor. I can't even carry it.

72--Nick, WA5BDU

-----Original Message-----

From: John Moriarity [SMTP:k6qq@hdo.net]
Sent: Wednesday, December 19, 2001 11:07 PM
To: Low Power Amateur Radio Discussion
Subject: Re: tubes sound better?

As a matter of fact, many tube amplifiers **do** sound better.

This is because they overload in a manner that tends to produce even-order distortion. Solid-state amplifiers with lots of feedback stay linear up to the point where they clip, and generate odd-order distortion products.

Our (western) musical scale is a result of the fact that the human ear "overloads" in a way that produces even order products. If you are really interested, I'll give you a reference to substantiate this.

As a result, even-order distortion products are more "pleasing" to the human ear, and tube amplifiers sound better to us than (poorly designed) solid state amplifiers.

73,

John, K6QQ

Date: Thu, 20 Dec 2001 06:27:14 -0600
From: Mike <mmorrow@companet.net>
To: raysills@1stconnect.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115397] Re: Nukes (was RE: Tube messages) OT
Message-ID: <3C21D922.646@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Warning! My reply doesn't have detectable QRP content.

Ray Sills wrote:

> I think that's one of the reasons why General Curtis LeMay
> (a ham, BTW) in his role of being in charge of the SAC bombers

> made sure that the aircraft had military versions of the Collins
> S-line on board.
>
> I wonder what's in use these days?

I've always thought there was a lot more myth than reality to the role of General LeMay in selecting USAF SAC communications modes. I'm sure USB would have been employed within about the same time anyway. The first (and main) HF USB radio sets in use by USAF SAC in the late 1950's to the 1970's was the RCA AN/ARC-65 (a 140 lb monster in a round pressurized can about two feet in diameter and about 2.5 feet long, not including the external antenna tuner), and the Collins AN/ARC-58 (two rectangular units, a receiver-exciter in one, the amplifier in the other). Both of these units are electro-mechanical marvels of synchro-servo engineering and 400 cps AC power consumption.

At the SAME time, the Navy was paying RCA to convert their HF-AM Collins AN/ARC-38 sets to -38A models with USB capability. I don't think Gen. LeMay had much to do with that.

There is no similarity (other than being HF SSB radios) between these sets and Collins ham gear of any period. The USAF did acquire some KWM-2A units under the military nomenclature of AN/FRC-93, but these were somewhat bogus as "real" military-spec units. They served in utility and MARS roles, not as tactical or strategic combat-arms sets.

73,
Mike / KK5F

Date: Thu, 20 Dec 2001 05:55:47 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dave Sjolín <sjolin@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115398] Re: Fox: Preliminary Log - N0IT Cub Fox
Message-ID: <Pine.LNX.4.33.0112200551510.1672-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Dec 2001, Dave Sjolín wrote:

>
> Attached is my preliminary log from last night. Since I kept a paper log
> and typed up the final, its possible some errors have crept in. Please
> contact me as soon as possible with any corrections. Thanks.
>
> Totals pelts were 50 plus myself as fox. One pelt went to a qro station.

Dave, you should be proud a guy who doesn't get the QRP-L and isn't yet QRP finds you and wants to play the game. This is what the Cub Fox is about. Get people not fast with CW interested and faster. Of course he counts!

> Not sure if they count. Twenty two states and three provinces. Very
> little close in. No AR, OK, IL, IA, IN, or WI. Sorry W0CH.
>
> Thanks again for all who stopped by and made it a fun evening.
>
> 73 de Dave, N0IT
> Merry Christmas to all
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 08:11:50 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115399] Re: re tubes
Message-ID: <3C21E396.4869CC3E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

So are many through hole semiconductors! I have the same problem with the FOX blather. I just use the DELETE key. I don't ask any favors in that area, why should you with respect to tubes!

73

Date: Thu, 20 Dec 2001 08:20:04 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu

Subject: [115400] Re: Nukes (was RE: Tube messages)
Message-ID: <5.1.0.14.1.20011220081500.00a78290@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:17 PM 12/19/2001 -0500, you wrote:

>Mike wrote:

> > True enough. One of the 'tactics' the Soviets evidently had in their
> > 'play book' was to explode a BIG one over the US. Many miles
> > high. It wouldn't do much 'mechanical' damage on the ground, but
> > when you have a burst that high with little conversion to mechanical
> > energy (ie a shock wave) teh EMP is excessive. And there's even
> > ways to enhance it. There were some projections that you could
> > take out car alternators (by burning out the diode packs) at a distance
> > of MANY HUNDREDS of miles. And this was in the 60's before
> > consumer stuff became much more sensistive to EMP.

>

>I think that's one of the reasons why General Curtis LeMay (a ham, BTW) in
>his role of being in charge of the SAC bombers made sure that the aircraft
>had military versions of the Collins S-line on board.

>

>I wonder what's in use these days?

Don't know about the bombers, but a friend of mine was in the Air National
Guard up until shortly before Desert Storm. He said they'd recently
switched from the Collins gear to Harris solid-state rigs for HF use.

I also read that during Desert Storm, the dry wind across the desert would
pick up a heck of a static charge and blow the FETs out of the front end of
the Harris radios. Seeking a quick soultion, somebody found 2 dozen Collins
rigs crated up in an Army warehouse. They contracted a guy (his name
escapes me) who had retired from Collins to tune them up and get them
battle-ready in a matter of days. I guess he was paid quite handsomely for
the service, and was also hired to train Army techs to maintain tube gear.

I guess the Army found out the hard way - "real radios glow in the dark."

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 20 Dec 2001 08:24:11 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [115401] Re: Changing adr. and license renewal
Message-ID: <5.1.0.14.1.20011220082258.00a9bec0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The press release says "hand-delivered or messenger-delivered paper filings for the Commission's Secretary." The last time I looked, license renewals and changes went to Gettysburg, not the Secretary.

Dave

At 10:12 PM 12/19/2001 -0500, you wrote:

>Bob you should check your facts before sending flames to the list. This press
>release was just released this week.

>

>http://www.fcc.gov/Bureaus/Miscellaneous/Public_Notices/2001/da012919.html

>

>

>DA 01-2919

>

>Released: December 14, 2001

>

>

FCC ANNOUNCES A NEW FILING LOCATION FOR

> PAPER

>DOCUMENTS

>

AND A NEW FAX NUMBER FOR GENERAL

>CORRESPONDENCE

>

> NEW FILING LOCATION FOR PAPER DOCUMENTS. Effective December 18,
> 2001,

>the Commission's contractor, Vistrionix, Inc., will begin

> receiving hand-delivered or messenger-delivered paper filings

> for the

>Commission's Secretary at a new location in downtown Washington, DC. The

> address is 236 Massachusetts Avenue, NE, Suite 110, Washington, DC

>20002. The filing hours at this location will be 8:00 a.m. to 7:00 p.m.

>All hand

> deliveries must be held together with rubber bands or fasteners. Any

>envelopes must be disposed of before entering the building.

>

> This facility is the only location where hand-delivered or

>messenger-delivered paper filings for the Commission's Secretary will be

>accepted.

>

Accordingly, the Commission will no longer accept these filings

> at 9300
>East Hampton Drive, Capitol Heights, MD 20743. In addition, this is a
> reminder that, effective October 18, the Commission discontinued
>receiving hand-delivered or messenger-delivered filings for the Secretary
>at its
> headquarters location at 445 12th Street, SW, Washington, DC 20554.
>
>
>You can find the original media release that says NO paper applications here:
>
>http://www.fcc.gov/Bureaus/OMD/News_Releases/2001/nrmd0106.txt
>
>
>Paul K4FB
>
>
>
>FIVEWATTS@aol.com wrote:
>
> > I don't know where you received this information but it's wrong.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 20 Dec 2001 08:26:30 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-1@lehigh.edu
Subject: [115402] Re: Tube messages
Message-ID: <5.0.2.1.2.20011220082352.022b4060@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Lest we forget...

Many of the early receivers were "solid state." E.g. Galena crystal and a cat hair...

72 de Mike, K04WX
Michael C. Boatright

Date: Thu, 20 Dec 2001 07:28:01 -0600
From: Mike <mmorrow@companet.net>
To: WD8CIV@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115403] Re: Nukes (was RE: Tube messages) OT
Message-ID: <3C21E761.6F1F@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Warning! My reply has no detectable QRP content.

David Hinerman wrote:

> The fact that tubes are still desired by musicians means they're still
> available, but it hasn't really done anything for the price. Musicians
> are willing to pay premium prices for premium sound. (Many don't know
> that the 12AX7 preamp they just paid \$8 for could have been had at a
> hamfest for a buck.)

The best characterization I've seen for those of the vacuum-tube-audio religion/cult is "audiophool." The situation is quite much more ridiculous than you describe. For many of these New-Age/Old-Sound nitwits, the *best* sound can only be generated by using *old* tubes. They will insist on new amplifier designs using devices which have not been made, in some cases, since the late 1920s. A modern version of an old tube just won't do. It *has* to be an old tube. And within this cult, these are certain "magical" tube types that are *the* most holy and powerful.

That's why an original WE300 (last made more than 70 years ago) goes for many hundreds of dollars or more. The old type 10 (VT-25), which was commonly found in WW2 surplus equipment like the BC-191/375 and the BC-229/429 transmitters, has risen in price to above \$50 each. The old 211 (VT-4C) tubes from the BC-191/375 that used to go for 25 to 50 cents a piece in 1970 are now fetching \$100 each. I bought a BC-375 at Dayton a couple of years ago, and as I was wheeling it out to the parking lot I was offered as much as I had paid for the whole unit just for the four VT-4C and one VT-25 that it held. Guess by whom? Not by a ham, but by some Asian audiophools who came to Dayton specifically to plunder these items from the flea market.

Why do I care? Because now a large percentage of the few surviving pieces of historic communications technology from 60 or more years ago are found minus the tubes. Disreputable dealers often pull the tubes from old gear and sell/auction them separately. The only reason behind it all is the audiophools insisting on old tubes in new gear.

Old tubes belong in old gear, and if the tube is more than about 50 years old, maybe even hams shouldn't be risking some of these soon-to-be irreplaceable tubes by operating the old gear.

Just my opinion of course. But gosh, now I feel a lot better!

73,
Mike / KK5F

Date: Thu, 20 Dec 2001 08:31:10 EST
From: Macstein@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [115404] Truffle Tonight 12/21 0130z - AF4PS
Message-ID: <f8.13ebee6f.2953421e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I'll be the Truffle tonight on or around 7.046 MHz. I'll listen "up" and may move if the SSB stuff gets bad. Standard exchange RST/SPC/NAME/PWR , with your call on the front and back.

I'm still using the K2 at 3w to the fallen stealth inverted vee.

-MAC-
AF4PS
Odessa, FL
FP-51

Date: Thu, 20 Dec 2001 08:31:40 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115405] Tube RX kits available?
Message-ID: <3C21E83C.8DE08861@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi there,

I haven't been following the "tube messages" thread too closely, so maybe it has come up already, but are there any tube receiver kits available? A quick search on the net didn't give me any results, except for a discontinued Cakepanion kit.

73s,
--Alex

Date: Thu, 20 Dec 2001 08:38:28 -0500
From: W2AGN <w2agn@pobox.com>
To: "James R. Duffey" <jamesd1@flash.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115406] Re: You are using vacuum tubes whether you like it or not!
Message-ID: <0112200838280N.08524@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Wednesday 19 December 2001 23:07, James R. Duffey wrote:
> I have followed the recent discussion on vacuum tubes with interest. I am
> surprised that no one mentioned that vacuum tubes are alive and well in
> several consumer devices we all use every day. In fact I would be willing
> to bet a Guinness or a Sam Adams that most of the people who are reading
> this are using a vacuum tube right now. In fact, you are probably staring
> into a vacuum tube as you read this.

--

While I am a devotee of tubes, also, you may send me the Guinness (I also like Sam Adams, but they are 2 different things).

I use an LCD monitor...

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 10:08:52 -0500
From: Dave Fouchey <dafouchey@home.com>
To: w2agn@pobox.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115407] OT RE: You are using vacuum tubes whether you like it or not!
Message-ID: <4.1.20011220100750.0097a220@localhost>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

John I will be happy to forward the empties if you like...

Dave Fouchey
WA4EMR/8

At 08:38 AM 12/20/2001 -0500, W2AGN wrote:

>On Wednesday 19 December 2001 23:07, James R. Duffey wrote:

>> I have followed the recent discussion on vacuum tubes with interest. I am
>> surprised that no one mentioned that vacuum tubes are alive and well in
>> several consumer devices we all use every day. In fact I would be willing
>> to bet a Guinness or a Sam Adams that most of the people who are reading
>> this are using a vacuum tube right now. In fact, you are probably staring
>> into a vacuum tube as you read this.

>

>--

>

>While I am a devotee of tubes, also, you may send me the Guinness (I also like
>Sam Adams, but they are 2 different things).

>

>

>I use an LCD monitor...

>

>

> -----

> John L Sielke W2AGN

> w2agn@pobox.com

> <http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 09:51:20 -0500

From: Bill Coleman <aa4lr@arrl.net>

To: <w6toy@erols.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [115408] Re: ARRL and Band Threat

Message-ID: <20011220145233.IEVN19910.imf11bis.bellsouth.net@[192.168.0.21]>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 12/4/01 8:33 AM, Bruce Muscolino at w6toy@erols.com wrote:

>You are right on some points, but the SWBC stations on 40 meters have
>been there as long as the hams.

Originally, 40m was 7 to 8 MHz, all CW.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 20 Dec 2001 09:47:06 -0500
From: "Vincent A. Santis" <vsantis@javanet.com>
To: "QRP-L (E-mail)" <QRP-L@Lehigh.EDU>
Subject: [115409] Cordless soldering pencils
Message-ID: <01C1893B.5BB440A0.vsantis@javanet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

HI Guys,

Because of some physical limitations I prefer not to use a convential
soldering iron. It seems to me that somewhere I saw a cordless advertised.
Does anyone know who may make such a beast and are they effective for PCB
construction?

Thanks,

Vince Santis, N1VS
NEQRP #598
QRP-L #2372
Winsted, CT

Date: Thu, 20 Dec 2001 08:32:10 -0600
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [115410] Converting tubes to solid state
Message-ID: <D9781901107D6A4AB59B567ED74090B454D9E6@pandora.fssec.army.mil>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

With respect to folks rebuilding tubes to use solid state innards --- There
is a web site I found a couple of years ago where a gentleman was rebuilding
some tubes with solid state parts. Seems that the tubes were part of
broadcast and/or shortwave receivers and there were at that time about 6

different tubes that he had schematics for on the web site. At the time I was looking for tube technology and the RCA Transoceanic series radios.

I'll try some looking to see if I can find the web site again and if it pops up I'll let the list know.

(... my \$0.015 worth ...)

Steve KC5TTY

Date: Thu, 20 Dec 2001 09:18:18 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [115411] Re: Nukes (was RE: Tube messages) OT
Message-ID: <5.1.0.14.1.20011220090903.00a683e0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:28 AM 12/20/2001 -0600, you wrote:

>That's why an original WE300 (last made more than 70 years ago) goes for
>many hundreds of dollars or more. The old type 10 (VT-25), which was
>commonly found in WW2 surplus equipment like the BC-191/375 and the
>BC-229/429 transmitters, has risen in price to above \$50 each. The old
>211 (VT-4C) tubes from the BC-191/375 that used to go for 25 to 50 cents
>a piece in 1970 are now fetching \$100 each. I bought a BC-375 at Dayton
>a couple of years ago, and as I was wheeling it out to the parking lot I
>was offered as much as I had paid for the whole unit just for the four
>VT-4C and one VT-25 that it held. Guess by whom? Not by a ham, but by
>some Asian audiophools who came to Dayton specifically to plunder these
>items from the flea market.

As Dad would have said, "More dollars than sense." Or in this case, "More yen than ken."

>Old tubes belong in old gear, and if the tube is more than about 50
>years old, maybe even hams shouldn't be risking some of these soon-to-be
>irreplaceable tubes by operating the old gear.

>

>Just my opinion of course. But gosh, now I feel a lot better!

Heh. As long as we're venting, my pet peeve is Vibroplex bugs. I'd love to have one. When Dad was in the Navy one of his radiomen was a Morse operator that had his own bug. He came to the house to visit one day and brought it with him. I fell in love with it right there.

Anyway, you can't touch one in (near) working condition for less than about

\$75 (last time I looked) because they've become "collectible." There was an old guy and his wife who used to do the hamfest circuit in the Ohio Valley that bought up old keys and sold them for outrageous prices. I'd browse his collection every 'fest, and he'd show me his latest acquisitions. Usually they were old beaters that he'd cleaned up and had chrome plated. (It was usually a pretty rough plating job, too.) But he wanted ridiculous prices for these things, so I never got one.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 20 Dec 2001 08:41:59 -0500
From: W2AGN <w2agn@pobox.com>
To: FIVEWATTS@aol.com,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115412] Re: Anthrax scare & FCC
Message-ID: <0112200841590P.08524@njbirdman>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Thursday 20 December 2001 00:30, FIVEWATTS@aol.com wrote:

> << Due to Anthrax scare on East Coast, FCC is not doing mail business, they
> want you to use email, or fax in your forms. The forms are on web site.
> If you are ARRL member, they can do renewal for you no charge. Another way
> is
>
> I went to the URL and there is nothing there saying FCC will not take hand
> delivered mail due to the so called Anthrax scare on the East Coast.
> You don't have to be a ARRL member to make changes in you license status.
> They only changed the mailing address.
> Bob
> WA2HOQrp <tm>

--

Oh, they'll take it. They might even open it someday, but for now, if you want to do anything with the FCC, do it online. Vanity call processing has been stopped since October 12, even for electronic submissions, so mail can "catch up." Other license changes, renewals, etc sent by mail will have

similar delays.

P.S. Bob, please quit changing your email address, I am tired of adding more filters for you!

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 08:45:38 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115413] Re: Nukes (was RE: Tube messages) OT
Message-ID: <008c01c1895c\$a565e700\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

David Hinerman wrote:

> The fact that tubes are still desired by musicians means they're still
> available, but it hasn't really done anything for the price. Musicians
> are willing to pay premium prices for premium sound. (Many don't know
> that the 12AX7 preamp they just paid \$8 for could have been had at a
> hamfest for a buck.)

Remember thought that it is NOT a musician paying a premium price for premium sound.

The musician is paying a premium price for a SPECIFIC sound.

In the 'generation' of music, the sound of the amp or other equipment is as much a part of the 'instrument' as what the performer may be holding in his hand. SPECIFICALLY because of the deficiencies of tubes.

You can argue the merits or deficiencies of tubes all day long and what a musician uses should have no bearing on it.

It kind of irks me when someone tries to tell me tubes are magically better because they are used by 'musicians'. Hey, I'm a musician (or I was...). At one point fairly proficient. And you won't find a tube in MY equipment,

now OR in the past, other than in instrument amps OR in some 'stage' mixing equipment.

Once the music is played and the sound defined, I don't want something 'downstream' mucking it up like a tube!

Mike

Date: Thu, 20 Dec 2001 08:27:48 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>
Subject: [115414] Tube Rigs and Contests?
Message-ID: <3C220374.7734F982@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folksii:

As an adjunct to the plethora of tube QRP messages of late, has anyone done any contesting with tube rigs recently? I happen to be the author of the National Contest Journal's column "Contesting for Fun", and am developing material for a future column based on the idea of Working contests with a tube rig, home brew or not. Amazingly I have received more than a few ideas from folks who have actually done this.

If anyone has actually done this, or is perhaps thinking of doing it, please let em know. If your reply pertains to QRP, then you might want to consider copying this list, if not QRP then just reply to me personally if you would.

Brian K7RE

Date: Thu, 20 Dec 2001 08:44:16 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'Brian Kassel'" <bkassel@dancris.com>, QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>
Subject: [115415] RE: [azqrp] Tube Rigs and Contests?
Message-ID: <1D74B9231259D511B1AA0002B32C28960105DEEA@az10exm06.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

One of these days I intend to do this. My first two rigs were an HW-7 and a homebrew 10w (5w output?) single tube rig out of one of the ARRL publications (Understanding Amateur Radio?). It used a rather uncommon dual tube, a 6T9. I worked a lot of 80/40m stations with that transmitter, and often used it in portable operations using a small 12v-110v inverter.

I want to rebuild it again using solid state VFO as a driver simply because a glowing tube bring back a lot of nostalgia.

Lots of fun!

- Dan, N7VE

> -----Original Message-----

> From: Brian Kassel [mailto:bkassel@dancris.com]

> Sent: Thursday, December 20, 2001 8:28 AM

> To: QRP-L; azqrp

> Subject: [azqrp] Tube Rigs and Contests?

>

>

> Folksii:

>

> As an adjunct to the plethora of tube QRP messages of late, has
> anyone done any contesting with tube rigs recently? I happen to be the
> author of the National Contest Journal's column "Contesting for Fun",
> and am developing material for a future column based on the idea of
> Working contests with a tube rig, home brew or not. Amazingly I have
> received more than a few ideas from folks who have actually
> done this.

>

> If anyone has actually done this, or is perhaps thinking of doing
> it, please let em know. If your reply pertains to QRP, then you might
> want to consider copying this list, if not QRP then just reply to me
> personally if you would.

>

> Brian K7RE

>

> -----Original Message-----

> From: Brian Kassel [mailto:bkassel@dancris.com]

> Sent: Thursday, December 20, 2001 8:28 AM

> To: QRP-L; azqrp

> Subject: [azqrp] Tube Rigs and Contests?

>

>

> Folksii:

>

> As an adjunct to the plethora of tube QRP messages of late, has

> anyone done any contesting with tube rigs recently? I happen to be the
> author of the National Contest Journal's column "Contesting for Fun",
> and am developing material for a future column based on the idea of
> Working contests with a tube rig, home brew or not. Amazingly I have
> received more than a few ideas from folks who have actually
> done this.

>

> If anyone has actually done this, or is perhaps thinking of doing
> it, please let em know. If your reply pertains to QRP, then you might
> want to consider copying this list, if not QRP then just reply to me
> personally if you would.

>

> Brian K7RE

>

Date: Thu, 20 Dec 2001 10:59:48 EST
From: FIVEWATTS@aol.com
To: w2agn@pobox.com, qrp-1@lehigh.edu
Subject: [115416] Re: Anthrax scare & FCC Reply
Message-ID: <c9.1a83041a.295364f4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/20/01 10:26:25 AM Eastern Standard Time,
w2agn@pobox.com writes:

<<

P.S. Bob, please quit changing your email address, I am tired of adding more
filters for you!

>>

I have seen most of your post and most of them lean toward a stab or uncalled
for remark.

You seem to be a person who carries a lot of hate in your heart.

If you don't like what I post then don't read it.

I have the right to change my account name three times a day if I want to.

Who asked you to respond to the post I made?

Maybe i'll drop \$12.00 and send you a Bible.

I don't know you or ever have had any dealings with you.

I made a post at one time and you for no reason at all you attacked me
because you didn't like what I said.

Just leave me alone.

I see post you make and I ignore them.

Grow up.

Bob

WA2HOQrp <tm>

Date: Thu, 20 Dec 2001 11:09:38 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: brockwse@fssec.army.mil
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115417] Re: Converting tubes to solid state
Message-ID: <3C220D42.56D719A7@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven,

Ah you newbies! Tubesters were once very popular. They were written up in Ham Radio Magazine, if I remember correctly. They were said to have many advantages over their tube brethren. They were sort of popular in Collins S-line rigs at one time. Mine does not have them, though they were offered to me at the time of purchase.

73

Date: Thu, 20 Dec 2001 09:13:26 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115418] Re: tubes sound better?
Message-ID: <1008864806.3c220e2675bb6@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

George, tubes put out more power than transistors. A tube linear can be 70% efficient. One reason is that most tube circuits are high impedance and have to be tuned. That tuning makes the tube amps run more efficient. The only circuits that are more efficient are class D or class E FET circuits. Those circuits can be over 90% efficient, but they are only good for a single frequency and require several stages of filtering to clean up the signal. A FET amplifier with proper feedback can sound as good as a tube, but it will cost more.
Jim W7ANF

Quoting "George, W5YR" <w5yr@att.net>:

> Good points, John, and thanks for bringing them out.
>
> I think that another aspect of tube amps, in music especially, is the
> historical base upon which much music has been performed and is
> remembered.
> Until fairly recently, most guitar amps, especially, were tubed. It is
> only
> natural that people remember both the actual acoustic sound of those
> instruments and the recorded versions.
>
> A lot of people grew up listening to tube radios. They are a deeply
> embedded element of our culture. Likewise with tubed "hi-fi" systems,
> etc.
>
> So, to me, it is not surprising that a lot of folks claim that, to
> them,
> tubes "sound better". That is what they grew up with and from what
> they
> learned the sound of "good" music.
>
> There are technical reasons why two amps - one tubed and one solidstate
> -
> both of equal dynamic and frequency response characteristics -
> producing
> equal power into equal transducers must sound the same to an observer.
> To
> deny that is to deny the linear system and circuit theory which is the
> basis for much of our systems concepts.
>
> However, once we venture beyond the linear domain, and much modern
> sound
> and music does that almost constantly and intentionally, there can be
> marked differences in the sound of two such amplifiers. Hence, it is
> no
> surprise that two camps of enthusiasts develop.
>
> I guess that from my age and pre-transistor education, I will always
> have a
> warm spot for tubes (no pun intended!) but it is also true that the
> only
> pieces of gear in the shack today with tubes in it are the
> oscilloscope
> (CRT), the Heath Monitorscope - all tubes - and the computer monitor.
> But I
> still have a couple of RCA tube manuals! <:}
>
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

>
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
>
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
> All incoming and outgoing email virus-checked by Norton Anti-Virus
> 2002
>
>
> John Moriarity wrote:
> >
> > As a matter of fact, many tube amplifiers *do* sound
> > better.
>
>

Date: Thu, 20 Dec 2001 11:13:54 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Bill Coleman <aa4lr@arrl.net>, qrp-1@lehigh.edu
Subject: [115419] Re: ARRL and Band Threat
Message-ID: <3C220E42.45E29D21@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

When? In what lifetime? And in what region? As long as I have been
licensed (since 1956) and as long as I have been a SWL (since 1953) it
has been as it is today.

73

Date: Thu, 20 Dec 2001 08:22:28 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [115420] Re: tubes sound better?
Message-ID: <20011220162228.27961.qmail@web10005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Back in my electric guitar playing days when I could

still hear decently. 8-) There was an article on why tube guitar amps sounded better than solid state amps. The reason they stated was that tube amps distort more on the even harmonics which sounds pleasing to the ear. Solid state amps distort more on the odd harmonics which sounds harsher. In fact some of the solid state amps would use transformers to change the distortion so it would distort on even harmonics. So that would explain why any tube rig or guitar amp would sound more pleasing to the ear.

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

Do You Yahoo!?

Check out Yahoo! Shopping and Yahoo! Auctions for all of your unique holiday gifts! Buy at <http://shopping.yahoo.com> or bid at <http://auctions.yahoo.com>

Date: Thu, 20 Dec 2001 11:27:27 -0800

From: "Dave Benson" <nn1g@earthlink.net>

To: "Bruce Muscolino" <w6toy@erols.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [115421] Re: ARRL and Band Threat

Message-ID: <000401c1898c\$5cd9f820\$beebd73f@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Bruce-

Perhaps he's simply sharing something of historical interest. There've been persistent rumors, for instance, that we once had "200 meters and down".

73- Dave, K1SWL

-----Original Message-----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, December 20, 2001 8:18 AM
Subject: Re: ARRL and Band Threat

Bill,

When? In what lifetime? And in what region? As long as I have been licensed (since 1956) and as long as I have been a SWL (since 1953) it has been as it is today.

73

Date: Thu, 20 Dec 2001 11:41:46 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <fantbb@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115422] Re: tubes sound better?
Message-ID: <001901c18975\$4215fa00\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Back in my electric guitar playing days when I could
> still hear decently. 8-) There was an article on why
> tube guitar amps sounded better than solid state amps.
> The reason they stated was that tube amps distort more
> on the even harmonics which sounds pleasing to the
> ear. Solid state amps distort more on the odd
> harmonics which sounds harsher. In fact some of the
> solid state amps would use transformers to change the
> distortion so it would distort on even harmonics.
> So that would explain why any tube rig or guitar amp
> would sound more pleasing to the ear.
>
> Jeff

Jeff,

Be careful... Yes, that's 'generally' true, but remember, good for the guitar amp which is as much a part of the instrument as the instrument itself and good for a 'tube rig' are two different things. Yes, if you want to say you 'like' the sound of tube equipment, that's fine. In fact, some people DO like the sound of tube equipment. Some like what they can do with equalizers, and filters. Compressors and expanders. And even whoopie boxes and roger beeps.

That's ALL it is, people LIKING the sound. It is not necessarily 'better' in any way, shape, or form, except as a match to what an individual may like.

Mike

Date: Thu, 20 Dec 2001 08:50:44 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <k5di@zianet.com>
Subject: [115423] RE: re tubes
Message-ID: <NFBBKLDHALEHCJMAJPKFCEGNCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

What - the Russians and Chinese are not making them any more???? Eimac don't make tubes no more???

Tracy N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Karl F. Larsen
Sent: Wednesday, December 19, 2001 9:14 PM
To: Low Power Amateur Radio Discussion
Subject: Re: re tubes

Mark just trying to save a lot of people a big waste of time and some nasty shocks. Tubes except for 50,000 watts up are dead! No-one makes them any more!

On Wed, 19 Dec 2001, Mark Gilger wrote:

> Karl, you can't win this one, so best let it go. Tubes are here to stay
and
> will always have a place in our QRP world. Long live the tube.....
>
> Mark
>
> At 02:44 PM 12/19/2001 -0700, Karl F. Larsen wrote:
>
> > No one has said anything that changes my mind. In 1957 while
> >getting my BSEE I was trained in tubes in the classroom and study hall,
> >but in Lab we had a graduate working at Texas Instruments and he sent the
> >college "Care Packages" that had 100's of transistors in it.
> >
> > At that time my Ham rig was a Heath DX-100 with sideband slicer,
> >and a 2-b receiver. All tubes and on a hot day I hated the stuff. Often
> >the DX-100 would develop a problem that was fixed with a new tube.
> >
> > In Lab we learned that you could build a counter faster than a
> >12AU7 and it dissipated no real heat with transistors. But we had no power
> >transistors then so it was hard to make even 5 watts out. The transistors
> >of the late 1950's were great but didn't give a hint of things to come.
> >
> > I built a super-regen 3 transistor receiver that worked great.
And
> >a 2 watt crystal controlled transmitter not unlike the TT-2 of today.
Tubes
> >were going out. You still bought tube type TV sets but ALL radios were
> >transistor and cheap batteries lasted for many hours.
> >
> > In 2000 Yeasu built the FT-817 which is all surface mount
> >components and lots of integrated circuits and a few transistors and
> >relays. It cost about the same as the DX-100 and 2-A receiver, but it
> >works so much better it is just amazing!
> >
> > If you have never owned anything with tubes in it count yourself
> >lucky. I recall trying to build a low noise receiver amp with tubes.
Using
> >special tubes that ran red hot you could get a 2 DB noise figure. Today
> >buy any nice FM radio and the system noise level will be well below 1 DB!
> >Production!
> >
> >--
> >Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > <http://www.zianet.com/k5di/>
>

> []
> Mark Gilger, WB0IQK
> Phone 330-658-5035
> Fax 330-658-5036
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 08:53:32 -0800
From: Michael Fletcher <kl7ixi@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115424] Re: Building a 5763 rig..
Message-ID: <B847578C.8160%kl7ixi@attbi.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

My 'lil 5763 Rig, circa 1964, had a dual 12AX7 screen modulator added by some local elmers when I got my General ticket. Worked fine for checking into the 3840 KCs Oregon State Net, but I don't have the schematic for the rig any longer.

72,
Mike KL7IXI/7

Date: Thu, 20 Dec 2001 11:52:29 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Dave Benson <nn1g@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115425] Re: ARRL and Band Threat
Message-ID: <3C22174D.3E24F6FE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

Sure, it is very important that we know what we have lost through the years! My only point was that in the memories of most hams 40 has been unchanged for years! I even remember making contacts on the old 11 meter band! And, while 200 meters and down is well before my time, I have read the book!

73

Date: Thu, 20 Dec 2001 12:02:56 -0500 (EST)
From: Brien Pepperdine <pepperb@gov.on.ca>
To: glowbugs@piobaire.mines.uidaho.edu
Cc: qrp-1@lehigh.edu
Subject: [115426] glowbug - how to inject vfo sig into Drake 2NT
Message-ID: <Pine.OSF.4.05.10112201154040.32161-1000000@govonca2.gov.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi. I have tried without success on a couple Drake lists to find an answer to a question - perhaps I can here. Thanks.

I got a nice Drake 2NT transmitter last year and recently got around to finally checking it out. Its fine.

But I would like to run a vfo with it. I have seen somewhere that a Heath HG-10 was commonly used with the Drake, but no where do I see info on how to do that.

Furthermore I would RATHER use the Hallicrafters HT-18 vfo/master oscillator I have. It puts out a very nice 3 watts or so of nice clean RF (analyzed on an H-P analyzer) as an m.o. and I have used the HT-18 with a Viking II transmitter as the vfo there with good success.

Mostly I am being cautionary here! The Drake is in excellent shape and since I am without ANY documentation on it regarding using a vfo injected signal I don't want to risk doing anything stupid/uninformed.

I can say also that in the case of a EFJ transmitter I have (Adventurer?) the vfo sig is injected (manual says so) via a blocking capacitor in-line with the signal from the vfo/master oscillator (again, HT-18 was used).

Thanks for any ideas. If anyone needs to think on this the manual for the Drake 2NT is at the BAMA site if you want to see it or the schematic.

Again, thanks for any ideas to safely put this nice Drake 2NT into useful (ie. more than xtal control) service.

73 de

Brien Pepperdine
Amateur Radio Station VE3VAW
Toronto, Ontario Canada
ARCI QRP #8773 - NORCAL QRP "ZOMBIE"

-Information and comments herein are mine own and are separate and independent of the electronic information gateways, pathways and provider(s) utilized-

Date: Thu, 20 Dec 2001 12:01:33 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <bkassel@dancris.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [115427] RE: Tube Rigs and Contests?
Message-ID: <000301c18977\$fa64ad20\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Brian:

I've used my 6L6 oscillator frequently in Antique Wireless Assn. contests, putting it on 80 and 40.

These AWA contests are friendly get-togethers on the air, but they do get competitive points-wise. I also use this vintage 1939 rig with a 1938 Hammarlund HQ-120 receiver. The more vintage gear you use in AWA events, the more points you get. If you use an old tube rig with a modern receiver, for example, that's okay, but you cut your score.

Food for thought?

Happy Holidaze!

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Brian Kassel

Sent: Thursday, December 20, 2001 10:28 AM

To: Low Power Amateur Radio Discussion

Subject: Tube Rigs and Contests?

Folksii:

As an adjunct to the plethora of tube QRP messages of late, has anyone done any contesting with tube rigs recently? I happen to be the author of the National Contest Journal's column "Contesting for Fun", and am developing material for a future column based on the idea of Working contests with a tube rig, home brew or not. Amazingly I have received more than a few ideas from folks who have actually done this.

If anyone has actually done this, or is perhaps thinking of doing it, please let em know. If your reply pertains to QRP, then you might want to consider copying this list, if not QRP then just reply to me personally if you would.

Brian K7RE

Date: Thu, 20 Dec 2001 11:29:59 -0600
From: "George, W5YR" <w5yr@att.net>
To: fantbb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115428] Re: tubes sound better?
Message-ID: <3C222017.33CB9C9F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a minor restatement, Jeff, to avoid any confusion"

When tube amps distort they *generate* more even-harmonic distortion products than odd-order products.

When solid state amps distort they *generate* more odd-order harmonics than even order products.

The point is that they do not distort "on the harmonics" which implies that the harmonics are already present and somehow driving the amp into distortion. Rather, they are absent until the amp distorts at which time they are generated.

Yeah, I know - nit picker . . . <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Jeff wrote:

> The reason they stated was that tube amps distort more
> on the even harmonics which sounds pleasing to the
> ear. Solid state amps distort more on the odd
> harmonics which sounds harsher.

Date: Thu, 20 Dec 2001 17:52:57 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: kr1st@amsat.org
Cc: qrp-l@lehigh.edu
Subject: [115429] Re: Tube RX kits available?
Message-ID: <Pine.BSF.4.40.0112201732090.73943-100000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Alex & the Group,

A good starting point for homebrew receivers is:
<<http://webhome.idirect.com/~griffith/gb.htm>>
There are a number of links to other sites.

Antique Electronic Supply <<http://www.tubesandmore.com>> carries a selection of parts and a couple of tube regen kits. There was one superhet kit manufacturer, Mediumwave Associates, that was selling kits, but they're moving and have temporarily suspended business. Check with them from time to time in the future.

Good Luck, 73 & Happy Holidays,
Bob - W3CD

Date: Thu, 20 Dec 2001 11:56:40 -0600
From: Mike <mmorrow@companet.net>
To: aa4lr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115430] Re: ARRL and Band Threat
Message-ID: <3C222658.3449@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Coleman wrote:

> Originally, 40m was 7 to 8 MHz, all CW.

And the 20m band was 14 to 18 MHz! But since March 7, 1928, the US 40m band has been the current 7.0 to 7.3 MHz.

There's not many with us today that were affected by that last change in 40m span. :-)

73,
Mike / KK5F

Date: Thu, 20 Dec 2001 11:58:37 -0600
From: Mike <mmorrow@companet.net>
To: aa4lr@arrl.net,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115431] Re: ARRL and Band Threat
Message-ID: <3C2226CD.956@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wrote:

> And the 20m band was 14 to 18 MHz!

Oops! I meant 14 to 16 MHz.

Date: Thu, 20 Dec 2001 19:25:09 +0100
From: DL2FI@t-online.de (Peter Zenker)
To: <qrp-l@lehigh.edu>
Subject: [115432] German QRPers published new 8-Band CW portable transceiver today
Message-ID: <004d01c18983\$a811bb60\$fa00a8c0@qrpprojectlapt>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

DL-QRP-AG proudly announces, that we published our new 8 Band CW transceiver in CQDL, the official German Club Magazin today in an 6 page article.

The Tramp-8 is a very small hybrid technic Transceiver (130mm x 45mm x 150 mm. All bands are switched from the frontplate. We use lots of SMD parts plus standard parts for all sections where we need high Q. It's a double conversion superhet based on a TCA440 Radio Chip. First IF is 4,9152 MHz, second IF 479 kHz. The TCA 440 gives us more the 90 dB dynamic.

In the frontend we use a 3 can bandpassfilter, first mixer is an NE612. Due to the excellent bandpass filters our prototype shows no intermodulation problems on 40m even at big antennas. VFO is a cap-diode type, stabilized with a small band PLL. TX-PA is a 5-7W push pull PA, a copy of our standard DL-QRP-PA as we used it in several projects before.

End of Feb / early Mar we will have an English manual, but if you are interested in details, have a look at our homepage. You will find all schematics and fotos of one of the prototypes.

72/73 de Peter, DL2FI

German QRP Group DL-QRP-AG <http://www.dl-qrp-ag.de>
QRPproject QRP and homebrew international <http://www.qrpproject.de>

Date: Thu, 20 Dec 2001 13:19:23 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <w5yr@att.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115433] Re: tubes sound better?
Message-ID: <07ea01c18982\$da375e20\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Also, when a tube is driven until it clips... it does so more "softly" than a solid state amp. This is another reason they sound more appealing to some people. I personally have come to the conclusion that a tube amp will reproduce a recording better than a solid state amp. This is due to a lot of recordings being produced on tube gear. In my opinion... yes, they definately sound better. If you've never listened to a really good triode tube amp, you don't know what you're missing.

Speaking of tubes... I'm currently building a simple single 3A5 tube transmitter (based on a modified version of the TX section of the Weskit BN-1) this afternoon and I hope to have it on the air later tonight. I'm using both of it's triodes in parallel and it should put out around 2 to 3 watts of RF using around 100 Volts B+. Not too bad considering it only has seven (7) parts plus a XTAL.

See you on the air! That is unless I electrocute myself because the B+ is keyed. I guess I'll try not to grab the key AND the metal chassis at the same time. hi

73/72/71! DE KA8MAV
- Brice

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, December 20, 2001 12:29 PM
Subject: Re: tubes sound better?

> Just a minor restatement, Jeff, to avoid any confusion"
>
> When tube amps distort they *generate* more even-harmonic distortion
> products than odd-order products.
>
> When solid state amps distort they *generate* more odd-order harmonics
than
> even order products.
>
> The point is that they do not distort "on the harmonics" which implies
that

> the harmonics are already present and somehow driving the amp into
> distortion. Rather, they are absent until the amp distorts at which time
> they are generated.
>
> Yeah, I know - nit picker . . . <:}
>
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
> All incoming and outgoing email virus-checked by Norton Anti-Virus 2002
>
>
> Jeff wrote:
>
> > The reason they stated was that tube amps distort more
> > on the even harmonics which sounds pleasing to the
> > ear. Solid state amps distort more on the odd
> > harmonics which sounds harsher.
>

Date: Thu, 20 Dec 2001 18:22:01 +0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [115434] Questions about BLT
Message-ID: <F12wBGpEI2rV4ZneAzd0000bd87@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Howdy gang:

I am building the BLT and thought I would ask your opinions on a few things.

Problems: I have a signal (I cn hear a good audio), but I can't get the light to go out, in fact, I am only getting out a very small amount of power as my transmitted signal, maybe .2 watts from a 2N2-40 rig that puts out a healthy 2.5+ watts when thru my MFJ 941E tuner. I think the 2 vari-caps are adjusted so they are at lowest capacitance, that is all the way unmeshed on the trim caps on the back.

I checked and rechecked connections-is there something I may have overlooked? I put in the coax unbalanced connection, and used the extra .1uF cap as suggested.....

I know its hard to see/say what could be wrong, but at this stage, any ideas would help!

Thanks in advance,

Tom

KC0GXX

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Thu, 20 Dec 2001 18:37:50 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: vsantis@javanet.com, qrp-1@Lehigh.EDU
Subject: [115435] Re: Cordless soldering pencils
Message-ID: <F120eirdF60XGWlyfJ0000a86b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Vincent A. Santis" <vsantis@javanet.com>
>Reply-To: vsantis@javanet.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Cordless soldering pencils
>Date: Thu, 20 Dec 2001 09:47:06 -0500
>
>HI Guys,
>
>Because of some physical limitations I prefer not to use a convential
>soldering iron. It seems to me that somewhere I saw a cordless advertised.
>Does anyone know who may make such a beast and are they effective for PCB
>construction?
>Thanks,

Rechargeable ones are made with NiCds, but I use a Weller Pyropen gas iron if I need something portable. It comes with a couple of hot air nozzles as well as a soldering tip. These are useful for SMD assembly and heat-shrink tubing.

It's very well made, but quite expensive.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Thu, 20 Dec 2001 11:44:08 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Tracy Markham <tracy@bytemark.com>

Cc: QRP-L <qrp-l@lehigh.edu>

Subject: [115436] RE: re tubes

Message-ID: <Pine.LNX.4.33.0112201140510.2723-100000@Daisy.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Dec 2001, Tracy Markham wrote:

No-one, not even the Russians are making 12AU7 or any other tubes like that. So if your building a QRP rig there are NO new tubes being made.

If your building a KW amp then Eimac and the Russians can help, but this has no place on QRP-L.

> What - the Russians and Chinese are not making them any more???? Eimac don't
> make tubes no more???

>

> Tracy N4LGH

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Karl F. Larsen

> Sent: Wednesday, December 19, 2001 9:14 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: re tubes

>

>

> Mark just trying to save a lot of people a big waste of time and some
> nasty shocks. Tubes except for 50,000 watts up are dead! No-one makes them
> any more!

>

>
> On Wed, 19 Dec 2001, Mark Gilger wrote:
>
> > Karl, you can't win this one, so best let it go. Tubes are here to stay
> and
> > will always have a place in our QRP world. Long live the tube.....
> >
> > Mark
> >
> > At 02:44 PM 12/19/2001 -0700, Karl F. Larsen wrote:
> >
> > > No one has said anything that changes my mind. In 1957 while
> > >getting my BSEE I was trained in tubes in the classroom and study hall,
> > >but in Lab we had a graduate working at Texas Instruments and he sent the
> > >college "Care Packages" that had 100's of transistors in it.
> > >
> > > At that time my Ham rig was a Heath DX-100 with sideband slicer,
> > >and a 2-b receiver. All tubes and on a hot day I hated the stuff. Often
> > >the DX-100 would develop a problem that was fixed with a new tube.
> > >
> > > In Lab we learned that you could build a counter faster than a
> > >12AU7 and it dissipated no real heat with transistors. But we had no power
> > >transistors then so it was hard to make even 5 watts out. The transistors
> > >of the late 1950's were great but didn't give a hint of things to come.
> > >
> > > I built a super-regen 3 transistor receiver that worked great.
> And
> > >a 2 watt crystal controlled transmitter not unlike the TT-2 of today.
> Tubes
> > >were going out. You still bought tube type TV sets but ALL radios were
> > >transistor and cheap batteries lasted for many hours.
> > >
> > > In 2000 Yeasu built the FT-817 which is all surface mount
> > >components and lots of integrated circuits and a few transistors and
> > >relays. It cost about the same as the DX-100 and 2-A receiver, but it
> > >works so much better it is just amazing!
> > >
> > > If you have never owned anything with tubes in it count yourself
> > >lucky. I recall trying to build a low noise receiver amp with tubes.
> Using
> > >special tubes that ran red hot you could get a 2 DB noise figure. Today
> > >buy any nice FM radio and the system noise level will be well below 1 DB!
> > >Production!
> > >
> > >--
> > >Yours Truly,
> > >
> > > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

> > > <http://www.zianet.com/k5di/>
> >
> > []
> > Mark Gilger, WB0IQK
> > Phone 330-658-5035
> > Fax 330-658-5036
> >
> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>
>
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 12:50:17 -0600
From: John Bohnert <johnb@elmhurst.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115437] FS SW+40
Message-ID: <3C2232E9.2D0074CA@elmhurst.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SW+40, with SW Freq-mite, housed in SW enclosure, no mods, 2W output into 50 ohm dummy load. Frequency coverage is 7026 KHZ to 7061 KHZ. Push button activation switch for the Freq-mite located just below the SW logo located in the upper left corner of front panel. To conserve batteries in portable use, a power switch for the Freq-mite is located on the back panel, upper center location. \$110 and I ship within lower 48 states.

72 N9KW John

Date: Thu, 20 Dec 2001 13:51:21 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: ko4wx@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115438] Re: Nukes (was RE: Tube messages)
Message-ID: <3C223329.994DFA2E@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gee Mike,

That was the year after I graduated High School!! 8-)... No wonder you look so young!!...

The Heateh QF-1 Q Multiplier was a regen additive for 455KC IF's. Worked great and lasted a long time... I still have mine 8-)...

Jerry
W3CDE

"Michael C. Boatright" wrote:

>
> 1959 ARRL Handbook (year I was born), given to me by Mike Branca, W3IRZ
> (proud pappa of the NOGA Twin Tube 80*), suggests using regeneration in the
> IF to improve selectivity as well...
>
> 72 de Mike, K04WX
>
> * <shamelessplugforaclubproject>Described in the NOGA Compendium 2001, see
> <http://www.nogaqrp.org/shamelessplugforaclubproject>
> Michael C. Boatright

Date: Thu, 20 Dec 2001 11:56:33 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: W2AGN <w2agn@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115439] Re: You are using vacuum tubes whether you like it or not!
Message-ID: <Pine.LNX.4.33.0112201150590.2723-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

While you talk tubes in the most general case, yes I am looking at a CRT screen right now. I have 5 CRT tubes in this house at this moment. I know there is a power tube in the nuker. I think it self oscillates so no drivers.

When you get to Ham radio gear there are zero tubes, just the exact proper number.

When flat screen TV monitors get cheap I will have 2 less CRT's.

On Thu, 20 Dec 2001, W2AGN wrote:

> On Wednesday 19 December 2001 23:07, James R. Duffey wrote:
> > I have followed the recent discussion on vacuum tubes with interest. I am
> > surprised that no one mentioned that vacuum tubes are alive and well in
> > several consumer devices we all use every day. In fact I would be willing
> > to bet a Guinness or a Sam Adams that most of the people who are reading
> > this are using a vacuum tube right now. In fact, you are probably staring
> > into a vacuum tube as you read this.
>
> --
>
> While I am a devotee of tubes, also, you may send me the Guinness (I also like
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 11:56:28 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115440] RE: re tubes
Message-ID: <1008874588.3c22345c275e4@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

<http://www.rfparts.com/tubereceive4.html>
RF parts have a 12AU7 for \$5.95.
Jim W7ANF

Quoting "Karl F. Larsen" <k5di@zianet.com>:

> On Thu, 20 Dec 2001, Tracy Markham wrote:
>
> No-one, not even the Russians are making 12AU7 or any other tubes like
>
> that. So if your building a QRP rig there are NO new tubes being made.
>
> If your building a KW amp then Eimac and the Russians can help, but this
>
> has no place on QRP-L.

Date: Thu, 20 Dec 2001 13:59:59 -0500
From: W2AGN <w2agn@pobox.com>
To: "Karl F. Larsen" <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115441] Re: re tubes
Message-ID: <01122013595901.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Thursday 20 December 2001 13:44, Karl F. Larsen wrote:
> On Thu, 20 Dec 2001, Tracy Markham wrote:
>
> No-one, not even the Russians are making 12AU7 or any other tubes like
> that. So if your building a QRP rig there are NO new tubes being made.
>
> If your building a KW amp then Eimac and the Russians can help, but this
> has no place on QRP-L.
>
>

--

Sorry Karl, 12AU7/ECC082 made by Electro-Harmonix of Russia \$9.95.

As well as many other QRP types of tubes.

Before spouting off your great wisdom, check your facts.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 13:06:20 -0600
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115442] Re: You are using vacuum tubes whether you like it or not!
Message-ID: <3C2236AC.D441F424@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry, Karl, but I just can't resist:

Who said that "Nature abhors a vacuum"? And Karl . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"Karl F. Larsen" wrote:

>
> While you talk tubes in the most general case, yes I am looking at
> a CRT screen right now. I have 5 CRT tubes in this house at this moment. I
> know there is a power tube in the nuker. I think it self oscillates so no
> drivers.
>
> When you get to Ham radio gear there are zero tubes, just the
> exact proper number.
>
> When flat screen TV monitors get cheap I will have 2 less CRT's.

Date: Thu, 20 Dec 2001 11:06:48 -0800
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: <qrp-l@lehigh.edu>
Subject: [115443] Fall QRPp in the Mail
Message-ID: <018401c18989\$7bc35bd0\$1fa3ad40@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys the fall issue of QRPp was taken to the Post Office yesterday, so we beat the Dec. 21 start of winter deadline by 2 days, grin. I hope you enjoy it. It has a bright yellow cover and is the 1 page (more or less) article issue. This one should make an excellent reader for the "library". Thanks to all of the great authors who contributed articles. Merry Christmas from Jim, Doug, & Paul. Jim takes the orders, Paul does the database and keeps track of the mailing labels, and I get to edit and publish. Oh, yeah, just thought I would mention that I have been testing the prototype of the next NorCal surface mount kit designed by a well known guy from the East Coast this time. We have a couple of bugs to work out, but initial testing is excellent. 72, Doug

Date: Thu, 20 Dec 2001 14:08:59 EST
From: K8ff@aol.com
To: qrp-1@lehigh.edu
Subject: [115444] Price Reduced
Message-ID: <10e.98ecde3.2953914b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Still have the HW8 For Sale. Includes manuals and Doc very good working condition with some mods... Was 125 NOW \$100
Email off list for details. Will ship UPS prepaid CONUS

Seasons Greetings, Wayne K8FF

Date: Thu, 20 Dec 2001 13:09:30 -0600
From: "George, W5YR" <w5yr@att.net>
To: bdh@cyberbound.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115445] Re: tubes sound better?
Message-ID: <3C22376A.AD325E3@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brice, I suggest that you read up on the keying of vacuum-tube transmitters ASAP!

NEVER ever place a hand key in the cathode circuit of a tube. Either use a

relay or a switching transistor or a vacuum-tube switch.

Life is too short to invite destruction . . . and keying the B+ with a hand key is near the top of the list of invitations.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"Brice D. Hornback" wrote:

> See you on the air! That is unless I electrocute myself because the B+ is
> keyed. I guess I'll try not to grab the key AND the metal chassis at the
> same time. hi

Date: Thu, 20 Dec 2001 14:06:53 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: jstamper@shentel.net
Cc: qrp-l@Lehigh.EDU
Subject: [115446] Re: Straight Key source
Message-ID: <0FEC3B0789.EE07041B-0N85256B28.006915AE@pmi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim,
I just ordered a straight key for this very same purpose: SKN. I ended
up ordering an interesting looking design from Doug Hauff, KE6RIE, as I
was also interested in a key for portable work. You might check this
out...

<http://www.fix.net/~slmachco/>

73,
Steve
aa8af

"Jim Stamper" <jstamper@shentel.net>

Sent by: owner-qrp-1@Lehigh.EDU
12/19/2001 06:24 PM
Please respond to jstamper

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Straight Key source

Anybody know a source for a very inexpensive straight key--something like
a
J-38. Want full size, not the Christmas tree ornament. Too clumsy for
that. Just want something to try on Straight Key night. Some years ago I
lent my old one to some kids I was trying to interest in taking the exam.
Never got it back and they never took the exam.

jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

Date: Thu, 20 Dec 2001 13:15:16 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115447] Re: re tubes
Message-ID: <007f01c1898a\$aa4c3de0\$9111a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well if I understand my Antique ES catalogue correctly, some company in
China still makes them.... \$8.30 apiece

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, December 20, 2001 12:44 PM

Subject: RE: re tubes

On Thu, 20 Dec 2001, Tracy Markham wrote:

No-one, not even the Russians are making 12AU7 or any other tubes like that. So if your building a QRP rig there are NO new tubes being made.

If your building a KW amp then Eimac and the Russians can help, but this has no place on QRP-L.

> What - the Russians and Chinese are not making them any more???? Eimac don't

> make tubes no more???

>

> Tracy N4LGH

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Karl F. Larsen

> Sent: Wednesday, December 19, 2001 9:14 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: re tubes

>

>

> Mark just trying to save a lot of people a big waste of time and some
> nasty shocks. Tubes except for 50,000 watts up are dead! No-one makes
them

> any more!

>

>

> On Wed, 19 Dec 2001, Mark Gilger wrote:

>

> > Karl, you can't win this one, so best let it go. Tubes are here to stay
> and

> > will always have a place in our QRP world. Long live the tube.....

> >

> > Mark
> >
> > At 02:44 PM 12/19/2001 -0700, Karl F. Larsen wrote:
> >
> > > No one has said anything that changes my mind. In 1957 while
> > >getting my BSEE I was trained in tubes in the classroom and study
hall,
> > >but in Lab we had a graduate working at Texas Instruments and he sent
the
> > >college "Care Packages" that had 100's of transistors in it.
> > >
> > > At that time my Ham rig was a Heath DX-100 with sideband
slicer,
> > >and a 2-b receiver. All tubes and on a hot day I hated the stuff.
Often
> > >the DX-100 would develop a problem that was fixed with a new tube.
> > >
> > > In Lab we learned that you could build a counter faster than
a
> > >12AU7 and it dissipated no real heat with transistors. But we had no
power
> > >transistors then so it was hard to make even 5 watts out. The
transistors
> > >of the late 1950's were great but didn't give a hint of things to
come.
> > >
> > > I built a super-regen 3 transistor receiver that worked great.
> And
> > >a 2 watt crystal controlled transmitter not unlike the TT-2 of today.
> Tubes
> > >were going out. You still bought tube type TV sets but ALL radios were
> > >transistor and cheap batteries lasted for many hours.
> > >
> > > In 2000 Yeasu built the FT-817 which is all surface mount
> > >components and lots of integrated circuits and a few transistors and
> > >relays. It cost about the same as the DX-100 and 2-A receiver, but it
> > >works so much better it is just amazing!
> > >
> > > If you have never owned anything with tubes in it count
yourself
> > >lucky. I recall trying to build a low noise receiver amp with tubes.
> Using
> > >special tubes that ran red hot you could get a 2 DB noise figure.
Today
> > >buy any nice FM radio and the system noise level will be well below 1
DB!
> > >Production!
> > >

> > >--
> > >Yours Truly,
> > >
> > > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > > <http://www.zianet.com/k5di/>
> >
> > []
> > Mark Gilger, WB0IQK
> > Phone 330-658-5035
> > Fax 330-658-5036
> >
> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>
>
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 13:18:29 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115448] Re: You are using vacuum tubes whether you like it or not!
Message-ID: <008a01c1898b\$1d2c8180\$9111a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl, what the heck do you have against tubes anyway? Did you get your
finger burnt as a youngster? Did a tube blow up in your rig while you were
on your way to winning some contest???? PEOPLE LIKE TUBES, GET USED TO IT!
DON'T CRAM YOUR OPINIONS DOWN EVERYONE ELSE'S THROAT!!!!

It is becoming more apparent to me that you are just an old blowhard trying to start a flame war and that certain FP's are right... you are an idiot!

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, December 20, 2001 12:56 PM

Subject: Re: You are using vacuum tubes whether you like it or not!

While you talk tubes in the most general case, yes I am looking at a CRT screen right now. I have 5 CRT tubes in this house at this moment. I know there is a power tube in the nuker. I think it self oscillates so no drivers.

When you get to Ham radio gear there are zero tubes, just the exact proper number.

When flat screen TV monitors get cheap I will have 2 less CRT's.

On Thu, 20 Dec 2001, W2AGN wrote:

> On Wednesday 19 December 2001 23:07, James R. Duffey wrote:

> > I have followed the recent discussion on vacuum tubes with interest. I am

> > surprised that no one mentioned that vacuum tubes are alive and well in
> > several consumer devices we all use every day. In fact I would be willing

> > to bet a Guinness or a Sam Adams that most of the people who are reading
> > this are using a vacuum tube right now. In fact, you are probably staring

> > into a vacuum tube as you read this.

>

> --

>

> While I am a devotee of tubes, also, you may send me the Guinness (I also

like

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 14:19:15 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: vsantis@javanet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115449] Re: Cordless soldering pencils
Message-ID: <3C2239B3.13ACE93F@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wall Clipper Corp makes the WALL cordless "isotip" soldering irons... I have had one since the mid 1960's and works great. Actually, I have 2 of them 8-)... Just do a google search on Wall isotip and you will have a few sources. All the big suppliers carry them and most electronics supplies houses do also.

Jerry
W3CDE

"Vincent A. Santis" wrote:

>

> HI Guys,

>

> Because of some physical limitations I prefer not to use a convential
> soldering iron. It seems to me that somewhere I saw a cordless advertised.
> Does anyone know who may make such a beast and are they effective for PCB
> construction?

> Thanks,

>

> Vince Santis, N1VS

> NEQRP #598

> QRP-L #2372

> Winsted, CT

Date: Thu, 20 Dec 2001 19:24:10 +0000
From: euramcom pages <mel@euramcom.freemove.co.uk>
To: <grp-1@lehigh.edu>
Subject: [115450] tubes
Message-ID: <T57f21ef3bdac1785ec25b@pcow034o.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi guys,

Never say never.

When the last of the UK valve makers died (Brimar/Mullard), I remember one of the guys who worked there bought a couple of the machines and installed them in a cottage industry basis in his garden shed.

AFAIK he is still producing limited runs of valves, but only of a few types, and only in pre-ordered numbers - -so if you want 100 ECCxx he will produce them for you. I would suspect there are probably a number of these operations going on, I have seen Spanish made 6.3v heater type valves and some rectifiers with number date codings indicating date of manufacture in the last 5 years or so.

Obviously the more popular and often used units will be the ones to remain.

Regards

SINGALONGAMEL for Xmas
<http://www.ukcaravans.org.uk/xmas>

72 and 73 de mel
GM6JAG Edinburgh, Scotland
Home of the last HW9

Date: Thu, 20 Dec 2001 11:31:57 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <Steve.Lawrence@ITWFEG.COM>
Subject: [115451] RE: Straight Key source
Message-ID: <NFBBKLDHALEHCJMAJPKFEEHDCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I got my first key at radio shack for a couple of bucks back in the early 70's ... it had a really thick square lever that didn't flex at all when keying, and a nice crakel finish base. I've never been able to use the 'thin' ones as the flex throws me off. Plus I just dig the 'bang' it makes when I key it. The 'navy knob' on it was cool too.

Anyone know who made these things for rs? If there is an equivalent available today (um, less than \$50 ...) ?

I still have mine, have re plated the gold contacts as I done wore it completely off :)

Tracy N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Steve Lawrence
Sent: Thursday, December 20, 2001 2:07 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Straight Key source

Jim,

I just ordered a straight key for this very same purpose: SKN. I ended up ordering an interesting looking design from Doug Hauff, KE6RIE, as I was also interested in a key for portable work. You might check this out...

<http://www.fix.net/~slmachco/>

73,
Steve
aa8af

"Jim Stamper" <jstamper@shentel.net>

Sent by: owner-qrp-l@Lehigh.EDU

12/19/2001 06:24 PM

Please respond to jstamper

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

cc:

Subject: Straight Key source

Anybody know a source for a very inexpensive straight key--something like
a

J-38. Want full size, not the Christmas tree ornament. Too clumsy for
that. Just want something to try on Straight Key night. Some years ago I
lent my old one to some kids I was trying to interest in taking the exam.
Never got it back and they never took the exam.

jim-

KG4LDY

James H. Stamper

519 Park Avenue

Woodstock, VA 22664-1260

540-459-8350

Date: Thu, 20 Dec 2001 14:29:35 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [115452] Re: re tubes

Message-ID: <004301c1898c\$aa91e780\$0600a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I think you're wrong on that one. I know that the 12AX7 was available
from Svetlana although they may not have been the original manufacturer.
And there were a number of other 12xxx tubes on the list when I last
checked. Although to be fair, it's been over a year...

Mike

> No-one, not even the Russians are making 12AU7 or any other tubes like

> that. So if your building a QRP rig there are NO new tubes being made.

Date: Thu, 20 Dec 2001 12:36:28 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115453] RE: Straight Key source
Message-ID: <1008876988.3c223dbcb54f3@mail.getnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I have several Radio Shack keys that I still use.
You can still get the same key for \$17.
Brass Key AM-K4 - \$16.95
<http://www.morsex.com/ameco/index.htm>
Jim W7ANF

Quoting Tracy Markham <tracy@bytemark.com>:

> I got my first key at radio shack for a couple of bucks back in the
> early
> 70's ... it had a really thick square lever that didn't flex at all
> when
> keying, and a nice crakel finish base. I've never been able to use the
> 'thin' ones as the flex throws me off. Plus I just dig the 'bang' it
> makes
> when I key it. The 'navy knob' on it was cool too.
>
> Anyone know who made these things for rs? If there is an equivalent
> available today (um, less than \$50 ...) ?
>
> I still have mine, have re plated the gold contacts as I done wore it
> completely off :)
>
> Tracy N4LGH

Date: Thu, 20 Dec 2001 14:41:21 -0500
From: W2AGN <w2agn@pobox.com>
To: "Rob Matherly" <kc0bom@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115454] Re: You are using vacuum tubes whether you like it or not!

Message-ID: <01122014412104.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Thursday 20 December 2001 14:18, Rob Matherly wrote:

> Karl, what the heck do you have against tubes anyway? Did you get your
> finger burnt as a youngster? Did a tube blow up in your rig while you were
> on your way to winning some contest???? PEOPLE LIKE TUBES, GET USED TO IT!
> DON'T CRAM YOUR OPINIONS DOWN EVERYONE ELSE'S THROAT!!!!
>
> It is becoming more apparent to me that you are just an old blowhard trying
> to start a flame war and that certain FP's are right... you are an idiot!
>

--

Hey, Rob. Tell us how you REALLY feel! Don't bottle it up inside like that.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 14:39:01 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: mmorrow@companet.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115455] Re: ARRL and Band Threat
Message-ID: <3C223E55.B527FB67@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And at the time, hams could use anything from 200 meters on down!

73

Date: Thu, 20 Dec 2001 14:48:47 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-1@lehigh.edu
Subject: [115456] Straight Keys

Message-ID: <01122014484706.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

I object to all this talk about Straight Keys. Nobody uses straight keys any more. Nobody even makes them any more. Everbody uses a keyer or a keyboard! I don't like the posts about straight keys and I want you all to stop talking about them!

So there!

--

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 14:47:37 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <cherry@getnet.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115457] Re: Straight Key source
Message-ID: <00cf01c1898f\$320806c0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There was one RS key that I think was a fairly good (but cheap) copy of the J-38, with a few exceptions.

One was the screws had a MUCH coarser thread so they weren't as easy to adjust. Another was the 'contact' points on the RS key were just 'domes' in the metal, not electrode pins.

But from a functional point of view, it was a pretty darn nice key for the \$4.95 I think it cost me in 1980. There was another key on the wall then too, for I think \$2.95 or so, maybe \$3.49. But it was a really cheap key. The more expensive one seemed to have the same 'base' as my old J-38 key, as if it was made from a casting. The main arm was quite stiff!

Mike

> I have several Radio Shack keys that I still use.
> You can still get the same key for \$17.
> Brass Key AM-K4 - \$16.95
> <http://www.morsex.com/ameco/index.htm>
> Jim W7ANF
>
> Quoting Tracy Markham <tracy@bytemark.com>:
>
> > I got my first key at radio shack for a couple of bucks back in the
> > early
> > 70's ... it had a really thick square lever that didn't flex at all
> > when
> > keying, and a nice crakel finish base. I've never been able to use the
> > 'thin' ones as the flex throws me off. Plus I just dig the 'bang' it
> > makes
> > when I key it. The 'navy knob' on it was cool too.
> >
> > Anyone know who made these things for rs? If there is an equivalent
> > available today (um, less than \$50 ...) ?
> >
> > I still have mine, have re plated the gold contacts as I done wore it
> > completely off :)
> >
> > Tracy N4LGH
>

Date: Thu, 20 Dec 2001 14:54:15 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115458] Re: tubes sound better?
Message-ID: <3C2241E7.E4F23EE2@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gee George,

Hummmm... If I remember correctly and I do, cathode keying is what you do with tubes. NO B+ keying. If you wanted to get fancy, you used grid block keying.

Jerry

W3CDE

"George, W5YR" wrote:

>

> Brice, I suggest that you read up on the keying of vacuum-tube transmitters
> ASAP!

>

> NEVER ever place a hand key in the cathode circuit of a tube. Either use a
> relay or a switching transistor or a vacuum-tube switch.

>

> Life is too short to invite destruction . . . and keying the B+ with a hand
> key is near the top of the list of invitations.

>

> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262

> Amateur Radio W5YR, in the 56th year and it just keeps getting better!

> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

>

> All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

>

> "Brice D. Hornback" wrote:

>

> > See you on the air! That is unless I electrocute myself because the B+ is

> > keyed. I guess I'll try not to grab the key AND the metal chassis at the

> > same time. hi

Date: Thu, 20 Dec 2001 15:01:45 -0500

From: "W3CDE Jerry L." <w3cde@bellsouth.net>

To: unlisted-recipients;; (no To-header on input)

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [115459] Re: You are using vacuum tubes whether you like it or not!

Message-ID: <3C2243A9.CC49BC8F@bellsouth.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Kark,

When I look in QST, there seem to be MANY tube devices!!!

Think of all of the amplifier companies who would be out of
business... and where would you get your florescent displays
for clocks and radios??? and your microwave oven??

Vaporware?? or vacuum ware..

Jerry
W3CDE

"Karl F. Larsen" wrote:

snip

> When you get to Ham radio gear there are zero tubes, just the
> exact proper number.

>

> When flat screen TV monitors get cheap I will have 2 less CRT's.

>

snip

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

> <http://www.zianet.com/k5di/>

Date: Thu, 20 Dec 2001 15:03:19 -0500

From: "ZOOM" <kandrparker@sympatico.ca>

To: <w2agn@pobox.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115460] Re: Straight Keys

Message-ID: <006401c18991\$5f1bb880\$99a4fea9@RobertParker>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

OK here we go again!

I'm getting carpal tunnel syndrome from hitting my delete key so much.

Use tubes don't use tubes use a straight key don't use a straight key.

Tubes are good, tubes are bad. Use whatever you want!

Now can we go about talking about stuff that really matters!

Some of these posts are getting kinda silly ladies and Gentlemen.

Kindest Regards,

Robert

VE3RPF

----- Original Message -----

From: W2AGN <w2agn@pobox.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, December 20, 2001 2:48 PM

Subject: Straight Keys

> I object to all this talk about Straight Keys. Nobody uses straight keys
> any
> more. Nobody even makes them any more. Everbody uses a keyer or a
> keyboard! I
> don't like the posts about straight keys and I want you all to stop
> talking
> about them!
>
>
> So there!
>
>
> --
> -----
> John L Sielke W2AGN
> w2agn@pobox.com
> <http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 15:16:08 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115461] Re: Straight Keys
Message-ID: <029b01c18993\$2a106580\$dc01b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's John's (W2AGN) fault -- he didn't put any (- :) smiley faces (- :)
in his (facetious) message.....

Dick K2JQ
-----Original Message-----
From: ZOOM <kandrparker@sympatico.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, December 20, 2001 3:05 PM
Subject: Re: Straight Keys

>OK here we go again!
>I'm getting carpal tunnel syndrome from hitting my delete key so much.
>Use tubes don't use tubes use a straight key don't use a straight key.

>Tubes are good, tubes are bad. Use whatever you want!
>Now can we go about talking about stuff that really matters!
>Some of these posts are getting kinda silly ladies and Gentlemen.
>
>Kindest Regards,
>Robert
>VE3RPF
>
>
>----- Original Message -----
>From: W2AGN <w2agn@pobox.com>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Sent: Thursday, December 20, 2001 2:48 PM
>Subject: Straight Keys
>
>
>> I object to all this talk about Straight Keys. Nobody uses straight keys
>any
>> more. Nobody even makes them any more. Everbody uses a keyer or a
>keyboard! I
>> don't like the posts about straight keys and I want you all to stop
>talking
>> about them!
>>
>>
>> So there!
>>
>>
>> --
>> -----
>> John L Sielke W2AGN
>> w2agn@pobox.com
>> <http://www.qsl.net/w2agn>
>
>

Date: Thu, 20 Dec 2001 15:29:12 -0500
From: W2AGN <w2agn@pobox.com>
To: "Richard Brummer, K2JQ" <k2jq@bestweb.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115462] Re: Straight Keys
Message-ID: <01122015291208.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

On Thursday 20 December 2001 15:16, Richard Brummer, K2JQ wrote:

> It's John's (W2AGN) fault -- he didn't put any (- :) smiley faces (- :)
> in his (facetious) message.....
>

--

Facetious? Me, facetious? And, by the way, I don't like smiley faces, either!

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 13:29:08 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-L@lehigh.edu
Subject: [115463] Re: Converting tubes to solid state
Message-ID: <20011220.132910.-194101.3.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

A fellow named Sartori out of San Antonio was making some solidstate plug ins for the Drake line and had written a few articles for 73 magazine in the 70's. The Tubesters were primarily designed for the Collins S-line equipment and I at one time had talked to the fellow making them as I was interested in converting a couple of 51S1/G-133 receivers I had. But he said the tubesters were specifically designed for a narrow range of parameters and to re-engineer for a wide range receiver such as the 51S1 would be a major undertaking. This was in the mid-80's. Some time after that, he passed away and last I heard Peter Dahl had picked up the copyrights, engineering data and supplies but to date has not decided to pursue any manufacture of tubesters.

There was also another commercially available solid state plug in, developed I think by Western Electric or ATT for their switching centers which emulated a 12au7, another as a 6AK5 and maybe a third. They were called Fetrons. Did not see them on the market for very long.

73
Ray

Plan ahead. It wasn't raining when Noah built the ark.
Ray Colbert,W5XE,00TC#3618, SOWP#1064M,
NARTE-NCT2r SOC#78 qrp-arci5784 --
El Paso (Far West), Texas

Date: Thu, 20 Dec 2001 15:32:06 -0500
From: russn7dw@cs.com
To: qrp-l@lehigh.edu ("Low Power Amateur Radio Discussion")
Subject: [115464] Re: You are using vacuum tubes whether you like it or not!
Message-ID: <1C058E95.019AFD5B.00AA9D39@cs.com>
Content-Type: text/plain; charset=iso-8859-1

Rob KC0BOM and John W2AGN,

Karl voiced a personal opinion. He also made what I feel was a misguided request. That's all. No big deal. Since then a couple of interesting threads have developed, and they have been very much on the high road.

Thanks for showing us the way back to the low road. We needed that...

73,
Russ N7DW

"Rob Matherly" <kc0bom@arrl.net> wrote:

> (snip)

>It is becoming more apparent to me that you are just an old blowhard trying
>to start a flame war and that certain FP's are right... you are an idiot!

>

>72/73/oo

>Rob, kc0bom

>ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

>

Date: Thu, 20 Dec 2001 15:34:51 -0500
From: W2AGN <w2agn@pobox.com>
To: "ZOOM" <kandrparker@sympatico.ca>, <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115465] Re: Straight Keys
Message-ID: <01122015345109.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Thursday 20 December 2001 15:03, ZOOM wrote:

> OK here we go again!
> I'm getting carpal tunnel syndrome from hitting my delete key so much.
> Use tubes don't use tubes use a straight key don't use a straight key.
> Tubes are good, tubes are bad. Use whatever you want!
> Now can we go about talking about stuff that really matters!
> Some of these posts are getting kinda silly ladies and Gentlemen.
>
> Kindest Regards,
> Robert
> VE3RPF

--

You think this is bad. There are actually people that key their tubes, in the cathode, with a Straight Key!!!! Probably while eating a MacDonald's, and smoking a cigarette. Obviously doomed to burn in Hell with CBers, K1MAN, and Wayne Green.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 15:37:58 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115466] Re: Straight Keys
Message-ID: <02cf01c18996\$3731e100\$dc01b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow ! Smoke that in my pipe and put it ! (no smiley face - ()- :)

And THAT'S from a FRIEND ! ()- :)

Dick K2JQ

-----Original Message-----

From: W2AGN <w2agn@pobox.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Thursday, December 20, 2001 3:30 PM

Subject: Re: Straight Keys

Facetious? Me, facetious? And, by the way, I don't like smiley faces, either!

Date: Thu, 20 Dec 2001 14:35:39 -0600

From: "George, W5YR" <w5yr@att.net>

To: w3cde@bellsouth.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115467] Re: tubes sound better?

Message-ID: <3C224B9B.C6907EF3@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gee Jerry, <:}

Did you ever cathode key an 807 with 750 volts on the plate? If so, don't you remember how much voltage appeared across those open key contacts, just waiting for your finger to slip? Very nearly the entire 750 volts! No, it wasn't true B+ keying but it produced about the same effect if you got across that key!

Some of the braver lads would use a hand key to cathode-key a 6L6 driver stage with a mere 300 volts on it and get by with it. I was never that brave . . .

Those of us who are still hamming at age 72 always used a relay or a switch tube or, as you suggest, grid-block keying. My 813 final (47-48) used a screen-keying tube which was biased from rectified grid drive so the 813 was actually screen keyed, while the key itself operated on an earlier stage.

Nowadays there are umpteen switching semiconductors and at least two microprocessors taking care of the keying chores!

My first key-switcher was the "electronic switch" described in the Handbook

for so many years: four Type 45 tubes in parallel to carry the cathode current with a small negative bias supply for the 45's and some RC networks to set the rise and fall times. It was a great keyer - you could make it ring like a bell! I used that to key the 807 stage that drove the screen-keyed 813 final.

Boy, those were the days!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"W3CDE Jerry L." wrote:

>
> Gee George,
>
> Hummmm... If I remember correctly and I do, cathode keying is
> what you do with tubes. NO B+ keying. If you wanted to get
> fancy, you used grid block keying.
>

Date: Thu, 20 Dec 2001 15:42:17 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-l@lehigh.edu
Subject: [115468] Delete Key Alternatives
Message-ID: <0112201542170A.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

For those of you suffering from carpal tunnel syndrome, a couple of ideas.
(Fitting, since I am probaly the cause of much of it).

1. Try using a stick, held firmly, but not too hard, in the teeth.
2. Wire your DELETE key to a footswitch.
3. Try attaching the Delete key to the old "Clapper" you have left over as a Christmas gift from a few years ago.

4. Voice operated Delete? Why not?

--

John L Sielke W2AGN
w2agn@pobox.com
http://www.qsl.net/w2agn

Date: Thu, 20 Dec 2001 14:41:46 -0600
From: "George, W5YR" <w5yr@att.net>
To: w3cde@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115469] Re: Cordless soldering pencils
Message-ID: <3C224D0A.EFAAB956@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry, this must be our day to lock horns! <:}

I, too, had one of those irons and they are made by WAHL, not WALL.

Since you suggested a Google search, I thought I should offer the correction to the name.

Friends?

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"W3CDE Jerry L." wrote:

>

> Wall Clipper Corp makes the WALL cordless "isotip" soldering
> irons... I have had one since the mid 1960's and works great.
> Actually, I have 2 of them 8-)... Just do a google search on
> Wall isotip and you will have a few sources. All the big
> suppliers carry them and most electronics supplies houses do
> also.

>

Date: Thu, 20 Dec 2001 14:45:19 -0600
From: "George, W5YR" <w5yr@att.net>
To: w5xe@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115470] Re: Converting tubes to solid state
Message-ID: <3C224DDF.AF2B699C@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ray, I knew Howard Sartori, W5DA, very well back in the 70's. We were both members of the Richardson Wireless Klub. I recall his Tubester work which he did with great enthusiasm. He actually started that effort in the mid 70's as I recall.

I am sorry to hear that he has passed. He was very active in the Navy Reserve and last I heard was waiting for an Admiral's slot to open up.

Thanks for the update.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

William R Colbert wrote:

>
> A fellow named Sartori out of San Antonio was making
> some solidstate plug ins for the Drake line and had
> written a few articles for 73 magazine in the 70's.

> This was in the mid-80's. Some time after that, he
> passed away

Date: Thu, 20 Dec 2001 14:46:37 -0600
From: "George, W5YR" <w5yr@att.net>
To: w2agn@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115471] Re: Delete Key Alternatives

Message-ID: <3C224E2D.1F0130C2@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And guess what word would most likely be chosen to key it?

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

W2AGN wrote:

ew years ago.

>

> 4. Voice operated Delete? Why not?

Date: Thu, 20 Dec 2001 12:54:57 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <w5yr@att.net>
Subject: [115472] RE: Cordless soldering pencils
Message-ID: <NFBKLDHALEHCJMAJPKFOEHGCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have a Wahl cordless, it's cool with a little flashlight built in to illuminate the contacts you are soldering. Many times I use that just because of the light!!!

Had to replace the batteries a few times, and I keep screwing up the tips, but the little bugger gets mighty hot quickly for what it is.

An yes, it's QRP - definitely low power soldering :)

One nice feature is that the tip cools quickly, too . Ever screw up and forget a plugged in soldering iron, and set your arm down on it or burn up the bench?? Won't happen with that Wahl cordless!

Tracy N4LGH

PS

For what it's worth, these threads have been the most interesting I've read in a long time

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of George, W5YR

Sent: Thursday, December 20, 2001 3:42 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Cordless soldering pencils

Jerry, this must be our day to lock horns! <:}

I, too, had one of those irons and they are made by WAHL, not WALL.

Since you suggested a Google search, I thought I should offer the correction to the name.

Friends?

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"W3CDE Jerry L." wrote:

>

> Wall Clipper Corp makes the WALL cordless "isotip" soldering
> irons... I have had one since the mid 1960's and works great.
> Actually, I have 2 of them 8-)... Just do a google search on
> Wall isotip and you will have a few sources. All the big
> suppliers carry them and most electronics supplies houses do
> also.
>

Date: Thu, 20 Dec 2001 15:51:16 -0500

From: <n7dma@mindspring.com>

To: qrp-l@lehigh.edu

Subject: [115473] Re: tubes sound better?

Message-ID: <Springmail.105.1008881476.0.51681500@www.springmail.com>

Personally, I use a church key to negative bias my 807's, but twist off's work OK, too. I prefer my glass cold and frosty anyway :^).

Karl
N7DMA

Date: Thu, 20 Dec 2001 15:55:24 -0500
From: Donn Kuse <casey.jay@gte.net>
To: w2agn@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115474] Re: Straight Keys
Message-ID: <3C22503C.BAA8758B@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry, John, but I've never used anything but a straight key. Never liked the bugs or the paddles. Tried the paddles, have one, but don't like it. Don't use a keyer either. There are a lot of us that do use straight keys for some reason or another. I personally enjoy all the info on them. Still use one I had when I was a Novice 25 years ago!

73, Donn, WB4ZWT
66 and still learning

W2AGN wrote:

> I object to all this talk about Straight Keys. Nobody uses straight keys any
> more. Nobody even makes them any more. Everybody uses a keyer or a keyboard! I
> don't like the posts about straight keys and I want you all to stop talking
> about them!

>
> So there!

>
> --

> -----
> John L Sielke W2AGN
> w2agn@pobox.com
> <http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 15:59:47 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>

To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115475] Re: Cordless soldering pencils
Message-ID: <002b01c18999\$445c8440\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I, too, had one of those irons and they are made by WAHL, not WALL.

You know, for years back in the late 70's to 1980 Radio Shack sold cordless irons. There were 2 sub-C nicads in it, and the tip looked like a neon bulb made out of metal with an extended nipple. Two stiff wires came out and were screwed into brass rods that protruded from the handle, which had a small light.

Pretty neat unit.

Then about 1977 they got a 'dump' of Black and Decker battery irons. They worked absolutely fantastic, but the tips didn't last. The tips were a single post with a 'bean' on the end that heated up. It 'eroded' fairly quickly though.

For some reason, I want to say the RS model was a Wahl with the RS name on it. It was a fairly decent iron...

Mike

Date: Thu, 20 Dec 2001 16:01:11 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115476] Re: [Elecraft] Thermeleze insulated wire - shameless plug
Message-ID: <3C225197.DAFD1150@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Another source is "The Wire Man" over in the Carolina's
www.thewireman.com

Jerry

W3CDE

Tracy Markham wrote:

>
> You can get Thermoleze wire from CWS ByteMark, Dr. Sevick chose that because
> of the specific mil thickness of the insulation for transmission line
> transformers we build.
>
> Tracy Markham, N4LGH
> CWS ByteMark
> 800 679-3184
> (Yes, a division of Amidon and ByteMark have merged to become CWS ByteMark)
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Stuart Rohre
> Sent: Wednesday, December 19, 2001 2:48 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: [Elecraft] Thermeleze insulated wire
>
> Try the distributors like Newark and Allied, and maybe Digi Key and Mouser.
> Also, did you try a <google.com> web search? Go there, enter "thermaleeze
> magnet wire" and see what you get as vendors, and vendors web pages should
> have a distributor and rep. list for each region or state.
> 72,
> Stuart K5KVH

Date: Thu, 20 Dec 2001 13:49:34 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [115477] Re: tubes sound better?
Message-ID: <3.0.6.32.20011220134934.007a8100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>> The reason they stated was that tube amps distort more
>> on the even harmonics which sounds pleasing to the
>> ear. Solid state amps distort more on the odd
>> harmonics which sounds harsher.

That might be true, and I've heard it argued many times before, but the big difference between the two types of amps is how they react when over driven. Solid state amps have hard clipping, producing square waves (where odd harmonics are most pronounced) and square waves sound like, well, not

very good - with or without harmonics! Where as a tube amp when overdriven doesn't have hard clipping, it just starts to sound musshy.

But when both amps are used properly, i.e., in thier linear region, the solid state amp will have better frequency responce, no hum, little or no noise and much less THD than a tube amp.

This argument, or subjective disagreement, has much in common with the debate over if \$20 a foot speaker wire sounds beter than zip cord! (but lets not get into that subjective rat hole:-)

72,

Steve, KD1JV

"Melt Solder"

White Mountians of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Thu, 20 Dec 2001 13:59:05 -0500

From: Steven Weber <kd1jv@moose.ncia.net>

To: qrp-l@lehigh.edu

Subject: [115478] Re: Tubes

Message-ID: <3.0.6.32.20011220135905.007a0850@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>In Fact I would love to have a Burnt Out 4CX1000 and Socket. I would Build
>a Little QRP rig in the Base and Make everyone think it was really a BIG
>QRP RIG. :^}

>

That's a great idea Geroge!

But I think a more common tube, like a 6SN7 would be easier to come by :-)
Be neat to use a 807, the antenna could come off the plate cap! Hey, this
could be the next building contest for Dayton, build a qrp rig into one or
two tube envelopes <g>

72,

Steve, KD1JV

"Melt Solder"

White Mountians of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Thu, 20 Dec 2001 13:39:10 -0800 (PST)

From: Chuck Carpenter <W5USJ@go.com>

To: qrp-1@Lehigh.EDU
Subject: [115479] 12AU7, 12AT7, 12BY7, 12AX7 etc. Manufacturers
Message-ID: <8120806.1008884353993.JavaMail.W5USJ@gomailjtp04>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

A search on these tubes brought up a whole list of manufacturers and other resources.

Many other popular tubes that are quite QRP useable and reasonable prices too.

Chuck, w5usj, Point, Rains Co TX EM22cv

GO.com Mail
Get Your Free, Private E-mail at <http://mail.go.com>

Date: Thu, 20 Dec 2001 15:42:26 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <russn7dw@cs.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115480] Re: You are using vacuum tubes whether you like it or not!
Message-ID: <014401c1899f\$6ed765e0\$9111a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yup, blame it on us, not the guy that keeps insulting vacuum tubes. None of this would be going on if he hadn't voiced MANY incorrect assumptions, and then continued to press it!

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: <russn7dw@cs.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, December 20, 2001 2:32 PM

Subject: Re: You are using vacuum tubes whether you like it or not!

Rob KC0BOM and John W2AGN,

Karl voiced a personal opinion. He also made what I feel was a misguided request. That's all. No big deal. Since then a couple of interesting threads have developed, and they have been very much on the high road.

Thanks for showing us the way back to the low road. We needed that...

73,

Russ N7DW

"Rob Matherly" <kc0bom@arrl.net> wrote:

> (snip)

>It is becoming more apparent to me that you are just an old blowhard trying

>to start a flame war and that certain FP's are right... you are an idiot!

>

>72/73/oo

>Rob, kc0bom

>ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

>

Date: Thu, 20 Dec 2001 16:51:18 -0500 (EST)

From: KENNETH ROBERT MCGUIRE <at902@tcnet.org>

To: Bruce Muscolino <w6toy@erols.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115481] Re: ARRL and Band Threat

Message-ID: <Pine.LNX.4.21.0112201647240.21849-100000@hendryx.tcnet.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Dec 2001, Bruce Muscolino wrote:

> And at the time, hams could use anything from 200 meters on down!

While I know that that is the name of the book, how many hams really had those privlidges? When I read the book it sounded like Hams were limited

to 200 M on down the actual licenses where for a SPECIFIC wavelength. Since it was a Spark signal, it was not exactly narrow CW, but I thought that those who experimented with shorter waves needed somewhat special licenses...

Ken McGuire
KC8LTL
at902@tcnet.org

Date: Thu, 20 Dec 2001 15:51:59 -0600
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [115482] tubes
Message-ID: <002701c189a0\$8ec607c0\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

KARL and others

There are a least 4 companies i know of that still produce smaller tubes like 5763 6c4 12au7 and 12ax7. So if you want to build tube stuff as i do go for it.

however i have a slight advantage over youall i have 11000 tubes in stock i bought in a sell a couple of years ago and since i am retired i build lots of tube goodies for friends especially tube amps for music lovers. The tubes, sockets, transformers are a little bit high in price but they are plentiful. so bring back the gooooo old days and build something out of tubes HI HI DENNIS W5VAF

Date: Thu, 20 Dec 2001 21:38:40 -0000
From: "Ted Williams" <ted@g0u1l.fsnet.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [115483] OT a correction
Message-ID: <012f01c189a1\$1adb3c80\$0100000a@duro800>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have read with some puzzlement a number of posts on 'Tubes', and it has just dawned on me, you really mean 'Valves' ;-)).

Secondly, 'Guinness' has two letters n, and since this an Irish tippie it would be best not to upset the provos.

For the record, my own preference for solid state stems from a good few hefty jolts from the HT line on hollow state equipment. A 350 Volt line with 16 uF capacitors could deliver a lethal dose, let alone 2.5kV on an 813 anode. Am I alone in this?

72 Ted G0ULL

Date: Thu, 20 Dec 2001 17:13:04 EST
From: FIVEWATTS@aol.com
To: qrp-L@lehigh.edu
Subject: [115484] What about the 6L6?
Message-ID: <17c.1165ee4.2953bc70@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

So far I haven't seen anything posted on the 6L6 tube
Or was that a 6L7.
Anyway I built my first transmitter with that tube and I also noticed that the ones marked "JAN" were a bit taller.
Not really sure why but I did place a heat sink on the tube.
I always had a nice 15 watts out of it and the RX was my Drake 2-B with the Q multiplier.
This tube topic really brings back some good memories plus there was tons of room on that Novice 50 KC spread.
And QSL cards filled mail boxes at 6 cents each.
Bob
WA2HOQrp <tm>

Date: Thu, 20 Dec 2001 17:00:02 -0500
From: Ken Newman <N2CQ@dandy.net>
To: epaqrp-l@Lehigh.EDU, QRP-L@Lehigh.EDU, njqrp@njqrp.org,
n9avg@amsat.org
Subject: [115485] [CONTEST] QRP Contest Calendar - Dec 20/31
Message-ID: <3.0.6.32.20011220170002.00989e90@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~

## QRP CONTEST CALENDAR

December 20-31, 2001

~~~~~

40 METER FOXHUNTS

Fox Hunt - Thursdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.

Info: <http://www.cqc.org/fox>

Cub Fox Hunt - Tuesdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.

Info: <http://www.zianet.com/k5di/fox/>

Truffle Hunt - Tue & Thur - 30 min before Fox Hunt

Info: http://fpqrp.com/pig_hunt.html

~~~~~

AGB (Belarus) Party Contest (CW/SSB) (80m)... QRP Category

Dec 21 - 2100z to 2300z

Rules: [http://www.qsl.net/eu1eu/agb\\_party.htm](http://www.qsl.net/eu1eu/agb_party.htm)

~~~~~

Holiday Milliwatt CW Contest *** QRPP Contest ***

Dec 26 - 1800z to 2200z

Dec 27 - 2000z to Dec 28 0000z

Dec 28 - 2200z to Dec 29 0200z

Rules: http://www.knightlites.org/milliwatt_contest.htm

~~~~~

RAC Canada Winter Contest (CW/SSB) ... QRP Category

Dec 29 - 0000z to 2359z

Rules: <http://www.rac.ca/CANWIN.htm>

~~~~~  
Stew Perry (W1BB) Topband Distance Challenge (CW) ... QRP Category

Dec 29 - 1500z to Dec 30 - 1500z

Rules: <http://jzap.com/k7rat/stew.rules.txt>
~~~~~

Original QRP Contest (CW - 80, 40 & 20m) ... QRP Category

Dec 29 - 1500z to Dec 30 - 1500z

Rules: <http://www.sk3bg.se/contest/origqrpc.htm>  
~~~~~

Thanks to K3WWP, SM3CER, WA7BNM, ARRL and others
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.
Anyone may use this "QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.
(Include a credit to the source of this material of course.)

72 de	**** QRP Contest Calendar ****
Ken Newman - N2CQ	http://www.njqrp.org/data/contesting.html
N2CQ@ARRL.NET	http://www.n3epa.org/Pages/Contest/contest.htm
	http://www.qsl.net/cqrp/contests.html

Date: Thu, 20 Dec 2001 17:14:49 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "FPQRP-1" <fpqrp-1@mpna.com>
Subject: [115486] Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <KHEKJAKPCEKFOHMPKJPDCEENCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok lets put all the replies here, I'll start;
The other day the FCC sent me an email because they did not want to give me

anthrax. In the letter they threatened to take away all my rights on 40 meters if I continued to use my straight key to with my tube rig.

I wrote K1MAN about this and we sent a letter to Riley Hollingsworth telling him that this was not fair and we will sue!

Ok,did I miss anything?

72, oo, es Happy Holidays (unless that offends you, then piss off)

Dan, N8IE

FPQRP #-6, FISTS #4985

QRP-1 #1404, ARCI #11003

Date: Thu, 20 Dec 2001 17:17:57 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<w2agn@pobox.com>
Subject: [115487] Re: Straight Keys
Message-ID: <006701c189a4\$2df94fc0\$81586fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry, John. I didn't mean to make trouble.

Can you love me like I am?

jim-
KG4LDY

----- Original Message -----
From: "W2AGN" <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, December 20, 2001 2:48 PM
Subject: Straight Keys

> I object to all this talk about Straight Keys. Nobody uses straight keys
any
> more. Nobody even makes them any more. Everbody uses a keyer or a
keyboard! I
> don't like the posts about straight keys and I want you all to stop
talking

> about them!

>

>

> So there!

>

>

> --

> -----

> John L Sielke W2AGN

> w2agn@pobox.com

> <http://www.qsl.net/w2agn>

>

Date: Thu, 20 Dec 2001 17:19:00 -0500

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [115488] Re: OT a correction

Message-ID: <04ee01c189a4\$54bb7de0\$010044c0@chartermi.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

When I was a young lad, back when radios were chock full of those glowing bottles, I grabbed the plate cap of a receiver that had around 400 volts on it. Ever since then, I've had a decided preference for lower voltage circuits.

Recently, ease of application suckered me into trying a hollow state device for the display of a radio I'm building. The VFD only takes a single 5 volt supply, so it doesn't violate my low voltage rule, but those vacuums can really suck up the electrons. The VFD may fluoresce a nice, cool, blue, but the regulator warms right up just like them glowbugs. Of course, here in Michigan, a little extra heat is always welcome.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>

didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Ted Williams" <ted@g0u11.fsnet.co.uk>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, December 20, 2001 4:38 PM

Subject: OT a correction

> I have read with some puzzlement a number of posts on 'Tubes', and it has
> just dawned on me, you really mean 'Valves' ;-)).
>
> Secondly, 'Guinness' has two letters n, and since this an Irish tippie it
> would be best not to upset the provos.
>
> For the record, my own preference for solid state stems from a good few
> hefty jolts from the HT line on hollow state equipment. A 350 Volt line
> with 16 uF capacitors could deliver a lethal dose, let alone 2.5kV on an
813
> anode. Am I alone in this?
>
> 72 Ted G0ULL
>

Date: Thu, 20 Dec 2001 17:18:21 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@Lehigh.EDU>
Cc: "NOGA_onlist \ (E-mail\)" <nogaqrp@qth.net>
Subject: [115489] Re: Tubes
Message-ID: <03a601c189a4\$3ca3e3a0\$d8eb5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great Steve on the 807. I used the 1625 tube which is a 12 volt 807 in the same circuit that I used in the NoGa Twin Tube 80 and I got the full QRP gallon of 5 watts with 150 volts on the plate. The circuit is the crystal colpitts and it keys beautifully even with the small HC-49U crystals.

Mike Branca W3IRZ in Conyers Georgia

from Steve:

But I think a more common tube, like a 6SN7 would be easier to come by :-)
Be neat to use a 807, the antenna could come off the plate cap! Hey, this could be the next building contest for Dayton, build a qrp rig into one or two tube envelopes <g>

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Thu, 20 Dec 2001 14:30:50 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <n8ie@woh.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115490] Re: Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <015801c189a5\$fae4eac0\$bc5fa13f@k6qq>

----- Original Message -----
From: "N8IE" <n8ie@woh.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, December 20, 2001 2:14 PM
Subject: Tubes, Straight keys, 40 meters, FCC and all.

> Ok lets put all the replies here, I'll start;
> The other day the FCC sent me an email because they did not want to
give me
> anthrax. In the letter they threatened to take away all my rights on
40
> meters if I continued to use my straight key to with my tube rig.
>
> I wrote K1MAN about this and we sent a letter to Riley Hollingsworth
telling
> him that this was not fair and we will sue!
>
> Ok,did I miss anything?

Wayne Green?

72,

John, K6QQ

Date: Thu, 20 Dec 2001 17:34:16 -0500

From: W2AGN <w2agn@pobox.com>
To: "N8IE" <n8ie@woh.rr.com>, "QRP-1" <qrp-1@lehigh.edu>,
"FPQRP-1" <fpqrp-1@mpna.com>
Subject: [115491] Re: [fpqrp] Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <0112201734160G.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Thursday 20 December 2001 17:14, N8IE wrote:
> Ok lets put all the replies here, I'll start;
> The other day the FCC sent me an email because they did not want to give me
> anthrax. In the letter they threatened to take away all my rights on 40
> meters if I continued to use my straight key to with my tube rig.
>
> I wrote K1MAN about this and we sent a letter to Riley Hollingsworth
> telling him that this was not fair and we will sue!
>
> Ok,did I miss anything?
>
>
> 72, oo, es Happy Holidays (unless that offends you, then piss off)
> Dan, N8IE

--

If the "Happy Holidays" offend, try this:

Please accept with no obligation,
implied or implicit our best wishes for
an environmentally conscious,
socially responsible, low stress,
non-addictive, gender neutral,
celebration of the winter solstice
holiday, practiced within the most
enjoyable traditions of the religious
persuasion of your choice, or secular
practices of your choice, with respect
for the religious/secular persuasions
and/or traditions of others, or their
choice not to practice religious or
secular traditions at all . . .

a n d a fiscally successful,
personally fulfilling, and medically
uncomplicated recognition of the onset
of the generally accepted calendar
year 2002, but not without due respect
for the calendars of choice of other
cultures whose contributions to
society have helped make America great,
(not to imply that America is necessarily
greater than any other country or is
the only "AMERICA" in the western
hemisphere), and without regard to the
race, creed, color, age, physical ability,
religious faith, or choice of computer
platform of the wishee.

(By accepting this greeting,
you are accepting these terms.
This greeting is subject to
clarification or withdrawal. It is freely
transferable with no alteration to the
original greeting. It implies no
promise by the wisher to actually
implement any of the wishes for
her/himself or others, and is
void where prohibited by law, and is
revocable at the sole discretion of
the wisher. This wish is warranted
to perform as expected within the
usual application of good tidings
for a period of one year, or until the
issuance of a subsequent holiday greeting,
whichever comes first, and warranty is
limited to replacement of this wish
or issuance of a new wish at the
sole discretion of the wisher.)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 17:38:15 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [115492] RE: Tubes, Straight keys, 40 meters, FCC and all.

Message-ID: <KHEKJAKPCEKFOHMPKJPDEEEPCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks man. I edited it to add Wayne.

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of John Moriarity
Sent: Thursday, December 20, 2001 5:31 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Tubes, Straight keys, 40 meters, FCC and all.

----- Original Message -----

From: "N8IE" <n8ie@woh.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, December 20, 2001 2:14 PM
Subject: Tubes, Straight keys, 40 meters, FCC and all.

> Ok lets put all the replies here, I'll start;
> The other day the FCC sent me an email because they did not want to
give me
> anthrax. In the letter they threatened to take away all my rights on
40
> meters if I continued to use my straight key to with my tube rig.
>
> I wrote K1MAN, and Wayne Green about this and we sent a letter to Riley
Hollingsworth
telling
> him that this was not fair and we will sue!
>
> Ok,did I miss anything?

Wayne Green?

72,

John, K6QQ

Date: Thu, 20 Dec 2001 17:39:00 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "FPQRP-1" <fpqrp-1@mpna.com>,
<w2agn@pobox.com>
Subject: [115493] RE: [fpqrp] Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <KHEKJAKPCEKFOHMPKJPDIEEPCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

John, your my new HERO!

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
W2AGN
Sent: Thursday, December 20, 2001 5:34 PM
To: Low Power Amateur Radio Discussion
Subject: Re: [fpqrp] Tubes, Straight keys, 40 meters, FCC and all.

On Thursday 20 December 2001 17:14, N8IE wrote:

> Ok lets put all the replies here, I'll start;
> The other day the FCC sent me an email because they did not want to give
me
> anthrax. In the letter they threatened to take away all my rights on 40
> meters if I continued to use my straight key to with my tube rig.
>
> I wrote K1MAN about this and we sent a letter to Riley Hollingsworth
> telling him that this was not fair and we will sue!
>
> Ok,did I miss anything?
>
>
> 72, oo, es Happy Holidays (unless that offends you, then piss off)
> Dan, N8IE

--

If the "Happy Holidays" offend, try this:

Please accept with no obligation,
implied or implicit our best wishes for
an environmentally conscious,
socially responsible, low stress,
non-addictive, gender neutral,
celebration of the winter solstice
holiday, practiced within the most
enjoyable traditions of the religious
persuasion of your choice, or secular
practices of your choice, with respect
for the religious/secular persuasions
and/or traditions of others, or their
choice not to practice religious or
secular traditions at all . . .

a n d a fiscally successful,
personally fulfilling, and medically
uncomplicated recognition of the onset
of the generally accepted calendar
year 2002, but not without due respect
for the calendars of choice of other
cultures whose contributions to
society have helped make America great,
(not to imply that America is necessarily
greater than any other country or is
the only "AMERICA" in the western
hemisphere), and without regard to the
race, creed, color, age, physical ability,
religious faith, or choice of computer
platform of the wishee.

(By accepting this greeting,
you are accepting these terms.
This greeting is subject to
clarification or withdrawal. It is freely
transferable with no alteration to the
original greeting. It implies no
promise by the wisher to actually

implement any of the wishes for her/himself or others, and is void where prohibited by law, and is revocable at the sole discretion of the wisher. This wish is warranted to perform as expected within the usual application of good tidings for a period of one year, or until the issuance of a subsequent holiday greeting, whichever comes first, and warranty is limited to replacement of this wish or issuance of a new wish at the sole discretion of the wisher.)

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 17:39:53 -0500
From: W2AGN <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115494] Re: Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <0112201739530H.12046@njbirdman>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Thursday 20 December 2001 17:30, John Moriarity wrote:

> ----- Original Message -----
> From: "N8IE" <n8ie@woh.rr.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Thursday, December 20, 2001 2:14 PM
> Subject: Tubes, Straight keys, 40 meters, FCC and all.
>
> > Ok lets put all the replies here, I'll start;
> > The other day the FCC sent me an email because they did not want to
>
> give me
>
> > anthrax. In the letter they threatened to take away all my rights on
>
> 40
>
> > meters if I continued to use my straight key to with my tube rig.

> >
> > I wrote K1MAN about this and we sent a letter to Riley Hollingsworth
>
> telling
>
> > him that this was not fair and we will sue!
> >
> > Ok,did I miss anything?
>
> Wayne Green?
>
> 72,
>
> John, K6QQ

--

How about back in 1921 when you were studying for your PHD in Resiprocity,
and the folks from IBM came and gave you a new computer because your old one
used tubes, but you still used it to study for your ham license. You flunked
the code test because you had so much wax in your ears, so you joined up with
Wayne Green to picket for the no-code license.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: Thu, 20 Dec 2001 17:34:49 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <n8ie@woh.rr.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [115495] Re: Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <000d01c189a6\$918d0840\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Ok,did I miss anything?

Yes, forgot to mention that you will be crystal-controlled. That should
piss off you-know-who for sure!

I'm running my 6T9 xmtr, crystal-controlled, with straight key on SKN. That

should start the cards and letters coming in, no doubt.

72

Howard Kraus, K2UD

> 72, oo, es Happy Holidays (unless that offends you, then piss off)
> Dan, N8IE
> FPQRP #-6, FISTS #4985
> QRP-1 #1404, ARCI #11003
>

Date: Thu, 20 Dec 2001 17:55:57 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, <K2UD@adelphia.net>
Subject: [115496] RE: Tubes, Straight keys, 40 meters, FCC and all.
Message-ID: <KHEKJAKPCEKFOHMPKJPDOEFACAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, we could have one hell of a best seller on our hands. Any publishers on the list?

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Howard Kraus
Sent: Thursday, December 20, 2001 5:35 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Tubes, Straight keys, 40 meters, FCC and all.

> Ok, did I miss anything?

Yes, forgot to mention that you will be crystal-controlled. That should piss off you-know-who for sure!

I'm running my 6T9 xmtr, crystal-controlled, with straight key on SKN. That

should start the cards and letters coming in, no doubt.

72

Howard Kraus, K2UD

> 72, oo, es Happy Holidays (unless that offends you, then piss off)
> Dan, N8IE
> FPQRP #-6, FISTS #4985
> QRP-1 #1404, ARCI #11003
>

Date: Wed, 19 Dec 2001 16:28:25 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [115497] what makes this list great
Message-ID: <20011220002825.38216.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The present discussion on tubes just shows what makes this list better than most list on ham radio. We have the operators, builders, contesters, and combination of each here in one spot. This diversity is what makes us great and also why we get on each others nerves at times.

True, the operators get tired of the building post, and the builders get tired of the contest and fox hunt post, but we all love QRP radio. Where else can you find the true diversity we have here.

You never know when you sit down in front of the computer what you will find that will interest you and also what will get the blood flowing. True, I have had run-ins with some others here, but it is just part of the game and the fun of this list. You can always count on learning something new or rekindling a lost memory.

Lets all work on making it even better, and understand the differences which make us what we are. Respect for each other is the key to our success.

May you all have a great holiday, be safe, and work a ton of DX.

73 Bill KC4ATU

Do You Yahoo!?

Check out Yahoo! Shopping and Yahoo! Auctions for all of your unique holiday gifts! Buy at <http://shopping.yahoo.com> or bid at <http://auctions.yahoo.com>

Date: Thu, 20 Dec 2001 18:33:04 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w3cde@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115498] Re: tubes sound better?
Message-ID: <3C227530.47203AE8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry,

It depended on the time you got into ham radio. Cathode keying was the only way until about the mid-60's, at least for hams. Then grid blocked keying became the standard. The reason, with grid block keying you didn't have the full plate voltage across the key! Nasty surprise, at least the first time you got across the key, then you suddenly became more careful! Both my Heathkit AT-1 and my DX-35 used plain vanilla cathode keying! I still have them both. Even my command set transmitter had it!

73

Date: Thu, 20 Dec 2001 18:44:25 EST
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [115499] Power problem with NC-20 need help Please
Message-ID: <41.158f8d7d.2953d1d9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi everyone,

I have 2 NC-20 rigs sitting side by side.
One is down to 4 watts and the other is showing 6 watts.
The lower power rig heats up the final much faster and you can't hold your finger on the back for more than 15 seconds and a 1 minute key down
It also heats up the dummy load faster.

The rig putting out 6 watts gets hot on the rear but you can keep your finger on it and it doesn't seem to get any hotter.

The dummy load does not get as warm as the rig putting out 4 watts.
Could this be a sign that the final is going out on the rig showing only 4 watts?

I tried 2 different meters and the numbers are the same.

I'm open for suggestions.

Thanks

Bob

WA2HOQrp <tm>

Date: Thu, 20 Dec 2001 19:11:13 -0500 (EST)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [115500] Butternut Hf9V ?
Message-ID: <Pine.LNX.4.21.0112201901070.2711-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a Butternut HF9V antenna. Since the temperature is finally dropping down to freezing and snow is finally a possibility, it seems time to do some antenna work.

I've had the antenna for a while and have never had it up. It came with a CPK box but I don't think it has that unit...

There seems to be an extra 12" section of 1.125 OD inch aluminum tube with insulator at each end. It also has a so-239 connector(with 6 inch wire pigtail terminated with a eyelet) mounted on a tubing clamp.

Are these extra parts from the CPK mounting kit or a 160 kit?

I still have to uncork the mounting pipe/concrete pad that held my Hygain DX88. Maybe an engine crane will do the job:) It is in the ground with no snow....yet. I am taking a couple days off and hope to get an antenna up before serious signs of winter appear.

Jim n2go

Date: Thu, 20 Dec 2001 17:56:21 -0600
From: "George, W5YR" <w5yr@att.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115501] Re: tubes sound better?
Message-ID: <3C227AA5.AD1CA616@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce, have to quibble just a tad about time.

I used grid-block keying of my electronic switch keyer when I built it in 1947. Worked just like grid-blocked keying of amplifier tubes, only these were switch tubes: four type 45's in parallel which cathode-keyed an 807.

True, the commercial rigs didn't seem to adopt GB keying until after the 40's.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Bruce Muscolino wrote:

>
> Jerry,
>
> It depended on the time you got into ham radio. Cathode keying was the
> only way until about the mid-60's, at least for hams. Then grid blocked
> keying became the standard.

Date: Thu, 20 Dec 2001 18:53:19 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: KENNETH ROBERT MCGUIRE <at902@tcnet.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [115502] Re: ARRL and Band Threat

Message-ID: <3C2279EF.F341A90F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ham radio was very different back then. The phrase 200 meters and down comes from a person who worked for a predecessor to the FCC who said "amateurs, oh give them 200 meters and down, they'll never talk to anyone"! Of course the rest is history, hams were able to prove him wrong and did talk to others! Early licenses did probably have specific wavelength on them, but there was not much monitoring to see if they were on that wavelength. Also, nothing of those times is valid today. In 1934 we got a whole new licensing scheme by the FCC. We are under the FCC today. We do what they want, not what we want. The frequency bands are much more crowded today than they were in 1918!

73

End of QRP-L Digest 2411

